



# Accelerating Impact through Exponential Innovation

**ANNUAL REPORT 2022/2023**

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Accelerating Impact through Exponential Innovation

# annual report 2022-2023



## About Us

Accelerating Impact through Exponential Innovation

Data Scientists Network previously known as Data Science Nigeria is Sub-Saharan Africa's leading Artificial Intelligence technology enterprise committed to building Africa's Artificial Intelligence talents ecosystem, and developing solutions for governance, education, health, retail, and finance. Our mandate is to raise 1 million Artificial Intelligence talents in Nigeria and prepare them for the future of work, while developing cutting edge products in emerging markets, accelerating Artificial Intelligence start-ups and activating digital transformation for organizations in Africa.

Our major areas of value delivery are;

- Research and Innovation
- Products and Solution Development
- Training and Artificial Intelligence Community Building
- Consulting and Digital Transformation
- AI Start-ups Incubation

- Trainings: 0814 008 8800
- AI+ Clubs, Cities, Campus and Kids Community: 0906 200 0354, 0906 200 0119
- Talent Recruitment – Data Scientist on Demand: 0906 000 7001
- Partnerships & Collaboration: 0703 410 0676
- MacroTutor: 0703 410 0668, 0906 200 0119
- SpotOn: 0906 000 7001
- AI+ Book for Beginners 0906 200 0127, 0814 000 0853
- AI Startup Lab: 0906 200 0351, 0703 410 0652
- Crowdsourcing, Research and Innovation: 0703 000 7206
- For other inquiries: 0814 000 0853, 0703 410 0652, 0814 002 2200



## DSN reaching

▶ **25,000+**

AI Learning videos - publicly available contents from top international universities-curated in external drive and distributed free across the country to address the challenge of poor internet.



▶ **800,000+**

online and offline learners, coupled with high-impact research papers which have been showcased at the world's leading AI conferences..



▶ **1.5 Million+**

Artificial intelligence for Starters free e-book download -99 use cases and expert views.



▶ **100+**

Active Learning communities across cities and campuses in Nigeria.



▶ **708,109**

YouTube views of our learning contents.



▶ **>6,000**

Hours of face-to-face free classes in Data Science and Machine learning applications organised in different states of Nigeria.

## Data Science Nigeria Values



Selflessness

Impact

Integrity

Leadership

Innovation

Excellence

CAN-DO

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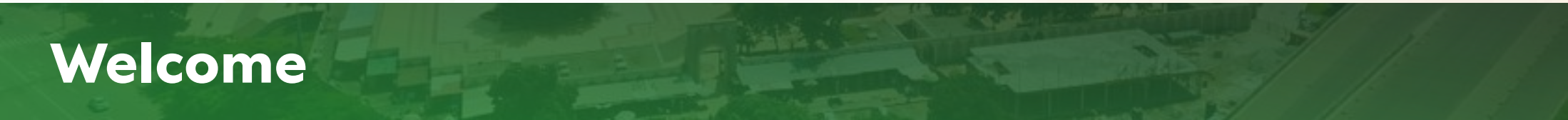
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**Welcome**

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# 100 years ago,

there was a massive, paradigm-shifting innovation rolling out from the factories to the public—the automobile. While the first gas-powered vehicle arrived decades earlier in 1886, it was Henry Ford's deployment of the first moving assembly line, in 1913, that really revved up production. The time it took to build a single car dropped from 12 hours to an hour and a half. In 1924, the 10-millionth Model T was completed and a new era of automobiles for everyone was well underway.

The pattern is once again repeating itself in this century through mass accessibility to artificial intelligence (AI). Like going from the horse to the car, historians will likely mark 2022 as the year in which we made a similar leap as technological pioneers.

On November 30, 2022, OpenAI launched ChatGPT to the public. A few months earlier, OpenAI's DALL-E2, an AI system that can create realistic images and art from text description, went live to the public as well. While those of us in the AI space have long recognized the power and sweeping potential AI tools hold for our future, this was really the first taste for many people all around the world. Moreover, I think most people have a sense that we are only experiencing the tip of the proverbial iceberg.

Obviously, it is an incredibly exciting time for the DSN community. We have never had more wind in our sails than we do today. As a purpose-driven community, we are eager to use the external momentum as well as the momentum we have built together to continue making a meaningful and measurable difference in the world. That's why the theme for this year's annual report is "Accelerating Impact Through Exponential Innovation." Our community recognizes that, through the incremental possibilities offered by AI, we can create a significant and lasting impact on society.



Accelerating Impact through Exponential Innovation

For instance, as you read these pages, you will learn that three of DSN's products made it to the prestigious International Research and Artificial Intelligence (IRCAI) Global Top 100 list for social impact in 2022, a recognition that not only validates our tireless efforts but also serves as a testament to the transformative power of our solutions. We are truly humbled and inspired to continue pushing the boundaries of what is possible.

Furthermore, our partnership with Meta (formerly known as Facebook) in four African countries has yielded groundbreaking results in tackling health challenges in the region. By utilizing mobility and human migration patterns as proxies to track disease spreading patterns, we have uncovered new insights and strategies for combating diseases.

This breakthrough approach has the potential to revolutionize the field of public health, and we are immensely proud to be at the forefront of this endeavor. This annual report also sheds light on our commitment to ethical and responsible AI development. We understand the immense power AI holds and the responsibility that comes with it. As we continue to innovate, we remain dedicated to upholding ethical standards, ensuring transparency, and fostering inclusivity. Our aim is to harness the potential of AI while safeguarding the well-being and privacy of individuals and communities.

I would like to extend my heartfelt gratitude to our valued stakeholders, partners, and dedicated employees who have played an instrumental role in our continued success. It is through your unwavering support, collaborative spirit, and relentless pursuit of excellence that we have been able to achieve these remarkable milestones.

As we embark on the journey ahead, we remain steadfast in our commitment to pushing the boundaries of what is possible. Together, we will continue to accelerate impact through exponential innovation, harnessing the transformative power of AI to address society's most pressing challenges.

I invite you to dive into the pages of this annual report and discover the remarkable stories, breakthroughs, and possibilities that lie ahead. Thank you for being an essential part of our journey, and we look forward to building a brighter future together.

## **Olubayo Adekanmbi**

Founder, Data Science Nigeria (Data Scientists Network)



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## **Practice and Pipeline Building:**

Democratizing knowledge with local embedding  
—inclusive talent development and industry level capacity building

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# Free AI Everyday Classes

As part of our commitment to fostering AI talents and empowering individuals for employability, our Free AI Everyday Classes provided participants with an immersive learning experience in the field of data science—equipping them with essential skills and knowledge.

The program featured five distinct tracks, including the No Code AI Track, R Programming Track, Python Track, and Business Analytics Track, catering to a diverse audience with varied interests and backgrounds. Each track witnessed remarkable enrollment rates, with over 100 individuals signing up per cohort.

This surge in popularity underscores the rising demand for accessible and comprehensive data science education, making the program a valuable resource for aspiring learners.



# AI Summer Camp



Our dedication to nurturing the next generation of AI talents and expanding opportunities to kids and teens led us to organizing an AI Summer Camp in August. This special edition, hybrid program, which ran for two weeks, engaged and empowered young minds at the DSN AI Hub in Lagos, Nigeria.

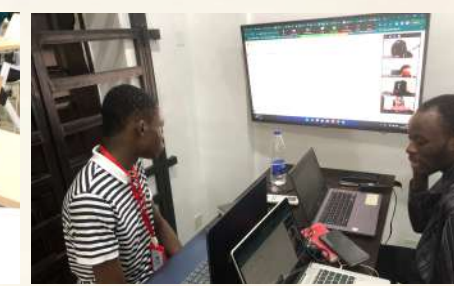
The learners were introduced to varying emerging tech skills—such as mobile app development, website development, scratch programming, the fundamentals of AI, robotics, and design thinking. They then built some exciting projects that were showcased at the end of the event.



Listen to the student's testimonial here: <https://youtu.be/cjDEgi46J4k>

Listen to the parents' testimonial here: <https://youtu.be/oPQEdGoYW98>







# Donation of AI Books to University of Ibadan

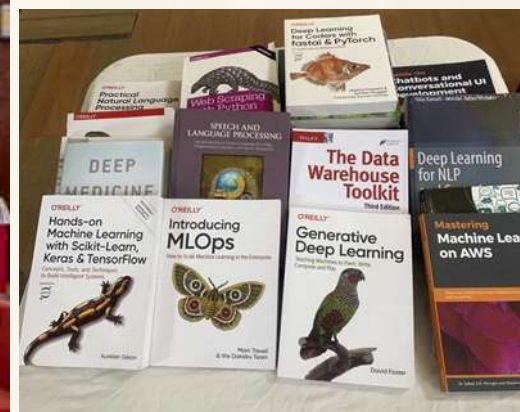
The University of Ibadan AI Community won the DSN Bootcamp AI School of the year award.

The award was presented to the Vice Chancellor at the IndabaX Nigeria Conference 2022. This award is granted to the school with the highest number of participants who successfully completed the Bootcamp and it comes with a generous prize of Artificial Intelligence books worth 1 million Naira. These books are publicly donated to the school's library, fostering consistency and enriching AI knowledge within the community.

Previous winners of the DSN AI School of the Year award include DSN learning clubs at the University of Lagos, Obafemi Awolowo University



1 Million Naira worth of Book presentation to the University of Ibadan, the winner of the campus of the year award 2021



These donations play a huge part in building capacity at the local level, which is a mandate of DSN and also in alignment with DSN's goal of building 1 million AI talents.

# First French Masterclass on Python

As part of our ongoing commitment to expand our presence into French-speaking countries in Africa, DSN held an online seven-week Python for Data Science Masterclass—in French—facilitated by Professor Soufiane Hourri. This educational experience has strengthened the DSN community within Algeria and Benin, along with other French-speaking countries.



Each session of the seven-week masterclasses can be watched <https://youtube.com/playlist?list=PLomGkrTWmp4ugGM9fiZjEuzMFeKD6Rh5G>



# Free AI & Coding Masterclass for Kids and Teens

Throughout the year, DSN organized a series of free AI & Coding Masterclasses for kids and teens.

These events provided youths practical, hands-on experience with coding and Artificial Intelligence.

This program was proudly sponsored by Macrotutor—a DSN AI-powered, on-demand, and affordable edtech solution for schools and parents to access the best quality teachers and digital learning content.

Link to videos:

<https://www.youtube.com/live/H-1T2ri6C8I?feature=share>





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**Community Learning  
and Opportunity for Growth**

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# Twitter Space Event

Our Twitter Spaces events have served as an effective platform to disseminate the significance of Data Science and AI—creating awareness, sparking discussions, and inspiring individuals to embark on transformative journeys in these burgeoning fields.

Following our mandate to raise one million AI talents and build solutions that can enhance the lives of two billion people in emerging markets, we successfully hosted a series of enlightening Twitter Spaces events from August 2022 to March 2023. These sessions were designed to reach a wider audience of learners and proactively share the exciting potential that Data Science and AI can unlock across various trending topics.

The series, spanning more than four Twitter Spaces, engaged experts and specialists from diverse backgrounds to explore crucial topics for Data Science beginners and professionals. These insightful discussions drew in a substantial number of participants who were keen to learn more.

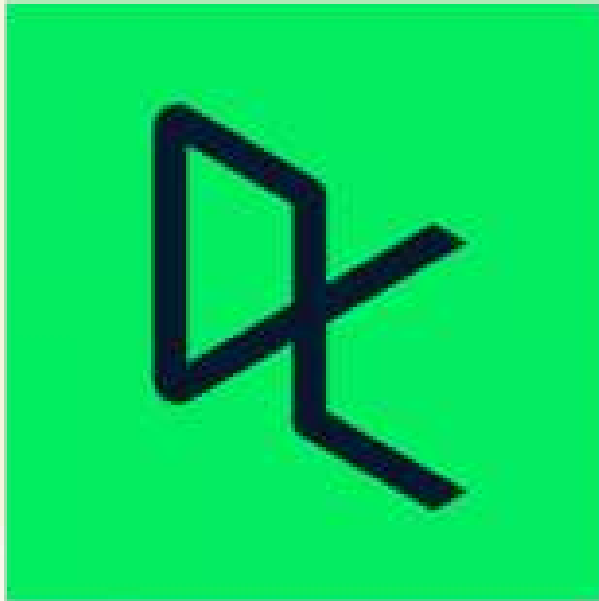
The topics covered in these sessions were carefully curated to address pertinent issues in the field of Data

Science and AI. One centered on teaching artificial intelligence in local languages. Another shed light on the immense career opportunities available within the Data Science field. We also dedicated an event on the empowerment of women in Data Science and technology, focusing on bridging the gender gap and creating more avenues for female participation in these fields.

Twitter Spaces has enabled us to further expand knowledge sharing while also growing our vibrant community of learners and professionals. We believe this platform will continue to be an important tool in accelerating our momentum as we work together to deliver on our organization’s core mandates.



# DataCamp Access License



Our partnership with Datacamp to democratize learning has yielded significant results. Through this platform, more than 1,000 licenses were distributed to community members seeking to either initiate their data science journey or upskill their current capabilities. Some of these individuals have since received opportunities through internships, full-time and part-time employment, and scholarships. Many have also become freelancers that contribute to the vision of DSN to improve the lives of the two billion people in the emerging market. DSN is deeply thankful to DataCamp for their donation of these licenses and their ongoing support of our vision.

Below is the link to the testimonials from the beneficiaries.

[https://twitter.com/dsn\\_ai\\_network/status/1644239481942228993](https://twitter.com/dsn_ai_network/status/1644239481942228993)

# DSN October 1 Independent Day Event

On October 1, DSN marked Nigeria's annual Independence Day celebration with an online event titled *Democratizing AI for Everyone in Africa*. The event included a keyword analysis of 21 Presidential speeches delivered on Independence Day from 1960 to 2021, covering eight Presidents/Heads of State. Additionally, the session covered:

- The Financial Inclusion Dashboard —built with the Power BI Analytical Tool
- Showcasing how our community of practice used financial inclusion data for training as part of our corporate social responsibility
- Providing hands-on learning opportunities on the best tools and approaches for handling visualization and utilizing data for economic planning.

With more than 200 active participants, including stakeholders, professionals, and enthusiasts from various sectors, the event successfully highlighted the

transformative potential of AI for social good. By leveraging AI technology, the program aimed to foster inclusive development and contribute to the advancement of Nigeria and Africa as a whole. The event served as a testament to the great potential AI technology holds for addressing societal challenges and promoting sustainable growth in the region.



Link to the Video: [https://youtu.be/LjL7E6gB\\_iQ](https://youtu.be/LjL7E6gB_iQ)



# Nvidia Private Watch Party: Enabling Fast-Path to Large-Language-Model Based AI Applications

There is a well-known African proverb that goes—"A tree doesn't make a forest." Likewise, the successes cultivated throughout DSN would simply not have been possible on its own.

These have been achieved because of many strong partnerships and collaborations. Of note is DSN's partnership with NVIDIA to enhance the application of knowledge and use cases, delivering additional learning content, and providing further international exposure and hands-on participation in project-based training. One such project was the DSN Nvidia GTC Watch Party.

DSN Communities were exposed to how to build generative AI for enterprise Use cases and Speech recognition masterclass, which

was co-organized along with the Intro and Huggingface.

NVIDIA has been supporting DSN's AI democratization agenda by donating workstations and other hardware like the Jetson Nano. Participation in knowledge sessions has also been supported through this partnership. For instance, in one such session, the DSN community was introduced to NVIDIA's Omniverse.

The Omniverse, much like the metaverse, is a real-time graphics collaboration platform created by NVIDIA. It has been used for applications in the visual effects

and digital twin industrial simulation space. Apart from the Omniverse, NVIDIA products like CUDA and TAO were also introduced to the DSN community.



# Nvidia DLI Ambassadorship Program

With NVIDIA's strategic partnership, DSN has been able to scale its outreach and widen its capacity-building portfolio. 400 DSN community members are part of the NVIDIA DLI program, while 200 will be DLI ambassadors. Also, during the partnership, DSN has opened ten new communities, increasing the total number of DSN Communities to nearly 100.

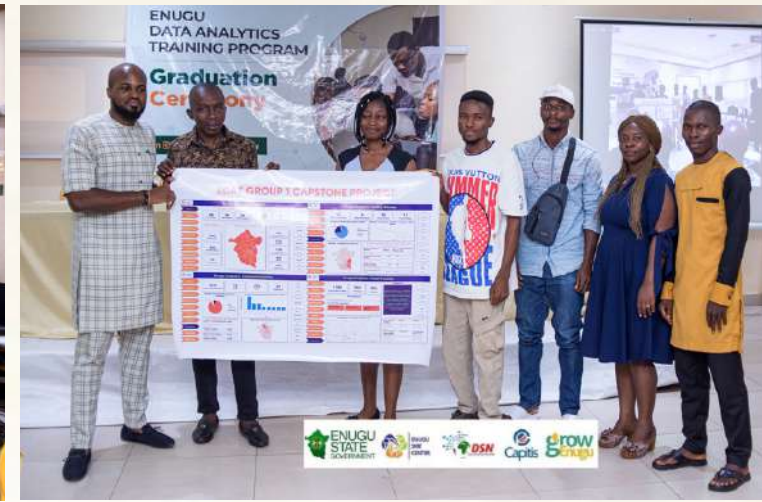
DSN has also extended beyond the shores of Nigeria, building communities in Kenya and Uganda, with Ghana, Tunisia, and South Africa in the pipeline. This partnership has greatly expanded DSN's ability to deliver learning to many young Africans, irrespective of their constrained background or lack of access to learning infrastructure. With this collaboration, DSN is able to leave a lasting and meaningful impact on many, many lives.

# Enugu State Government Data Science Training Program

We partnered with the Enugu State Government to implement the Enugu Data Analytics Training (EDAT) Program. The program is designed to equip young individuals with analytic skills for remote and full-time tech roles. The program, which had 190 students, consisted of a Data Science Masterclass led by two Enugu-based experts, followed by a four-month intensive training in SQL, Microsoft Excel, and Power BI. The participants presented Capstone Projects focused on an interactive Governance Dashboard for Enugu State. The Special Adviser to the Governor praised our commitment to developing students' technical skills.







In line with our commitment to supporting ongoing growth and learning, successful students have been integrated into the DSN Enugu Community. This integration provides them with a platform to continue their development and engage with other professionals in the field.

# DSN End-of-Year Masterclass on “Building your AI/Data Science Career in 2023”

We closed 2022 with an End-of-the-year masterclass for our community members. This was intended to prepare the community members with the necessary knowledge for the coming year.

The event was filled with much insight and impact with the presence of industry experts Olubayo Adekanmbi, Olutoyin Ogunmola, and Jenifer Oyelade. Olutoyin topic was titled "Surviving Turbulent Moments in the Tech Space." Jennifer presented on "Building a Tech Career Masterplan in 2023."

The participants were also introduced to Taskade, a goal-tracking platform which will support them in tracking their 2023 career goals.

The participants were reminded that—"tough times never last; tough people do" and that "Great events don't make great people; great decisions do."



Click this link

[https://www.youtube.com/live/NDyyB\\_ygVnc?feature=share](https://www.youtube.com/live/NDyyB_ygVnc?feature=share)  
to watch the event.



# Africa-Focused Founder-Investor Mixer by Ventures Platform x QED in London

Our Founder was at the Africa-Focused Founder-Investor Mixer Meet Up hosted by Ventures Platform and QED Investors, and supported by AWS Activate. This was a private event that provided an opportunity to meet and connect with some of the smartest founders and most active investors focused on Africa.

The event was positioned to leverage the presence of Africa-focused investors and founders at the 2022 Africa Tech Summit in London and brought key ecosystem players together.



# Participation at the ISN Annual Gathering 2022

DSN participated in the Innovation Support Network (ISN) 2022 Annual Gathering with the theme “Collaboratively Creating A Sustainable Hub Ecosystem.” ISN is a network of over 120 tech innovation hubs across 25 states in Nigeria.

The ISN Annual Gathering brings together member hubs and other key ecosystem stakeholders for learning, knowledge sharing, capacity development, and networking.



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**Industry Level Capacity Building**

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# AI Circus

AI Circus is a dedicated event for professional community members with sessions focused on No Code and Low Code Platforms using Edge Impulse, Nocode.ai, and other platforms. One of the conferences featured Armand Ruiz, the Director of the IBM Data Science & AI Elite, as a guest speaker. He shared the possibilities of building AI solutions without No Code or Low code. There was also a demo of some No Code platforms like Lobe, Edge impulse, Google sheet, and BigML.



Additionally, DSN partnered with NVIDIA, through the *No Code AI Circus Summit for All Professionals*, which featured Amulya Vishwanath, an NVIDIA Developer Relations Leader. During the event, participants learned how, even without coding experience, AI can be leveraged as a powerful tool.



# Access Bank and Heritage Bank Specialized Training

In alignment with our dedication to raising AI talents and workforce, our corporate training offered a bespoke use case training to Heritage Bank PLC and Access Bank PLC Staff.

The training which covers Data Analytics using Structured Query Language(SQL), Python, Power BI and Microsoft Azure Cloud platform was hands-on and designed to capture and address bespoke use cases relevant to the banking industry. The training was delivered in hybrid mode to capture both virtual and physical participants with detailed coaching, monitoring, evaluation with class assessments, home works and a capstone project for proper practical sessions and self paced learning.

The training, which had a 95 percent attendance rate from participants, was totally learner-focused and culminated in a capstone project with a 70 percent completion rate.

In addition to the above DSN also partnered with for NO Code AI Circus summit for all professionals. This submit featured Amulya the NVIDIA Developer Relation Leader. The participants were exposed to No Code platforms like BigML and Edge Impulse.



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**Ladies in AI-driving Gender Inclusion**

# Ladies in AI Twitter Space Event

Our commitment to gender inclusion has led us to drive more female-centric events. Our Ladies in AI community has now expanded into events hosted on Twitter Spaces.

These events bring together women leaders within the technology industry to inspire other women within our community who may have similar aspirations for their own careers.

While the subject matter covers a variety of topics, there is always a focus on equipping women with the best tools and mindset to navigate and, ultimately, flourish within technology spaces which have historically been male-dominated fields.



Join DSN Ladies in AI Twitter Space

**AI startups and the need for increased female gender participation.**

Friday, 20th January 2023 6:00pm — 7:00pm

 <p><b>Temitope Oladokun</b> Founder/Technical Product Consultant/TechGeeks Concepts</p>	 <p><b>Abisola Onibi</b> Co-Founder &amp; Data Product Manager, Hestrom</p>	 <p><b>Opetunde Adepaju</b> Innovation and Entrepreneurship Fellow One League</p>	 <p><b>Opeoluwa Iwashokun</b> AI Researcher University of Johannesburg</p>
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For more info: [https://bit.ly/dsn\\_ladiesinAI](https://bit.ly/dsn_ladiesinAI)



International Women's Day

DSN Ladies in AI Twitter Space

**ACCELERATING FEMALE INCLUSION IN TECHNOLOGY**  
Through innovative capacity building

Register: <https://bit.ly/DSN-Ladies-in-AI-IWD23>

Wednesday, March 8th, 2023 6:00 pm — 7:00pm GMT + 1  
#dsn\_ai\_networks

 <p><b>SPEAKER Salami Ajoke</b> Tech Recruiter, Global Technical Recruiter</p>
 <p><b>SPEAKER Tejumade Afonja</b> Founder AI Saturdays</p>
 <p><b>ANCHOR Chimaoge Esotu</b> Data Scientist, DSN</p>

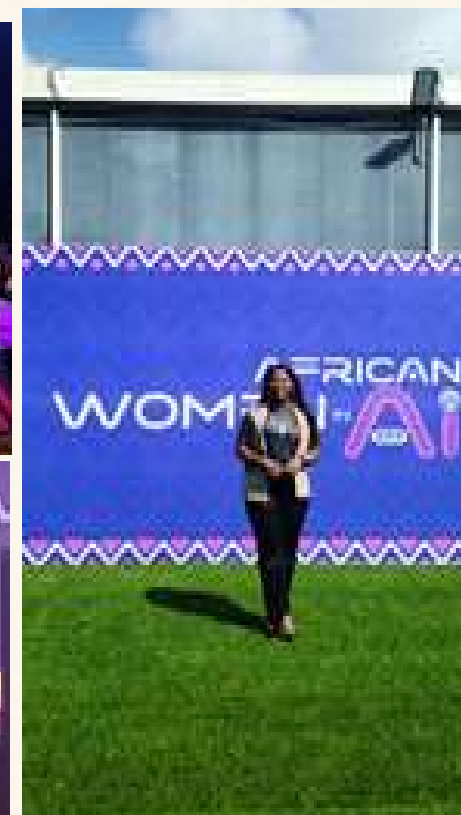


# Participation at the Tony Blair First Women in AI Conference in Ghana

DSN attended and participated in the first African Women in AI summit, which was organized by the Tony Blair Institute for Global Change (TBI).

The summit brought together women from diverse professional backgrounds, including government, industry, policymakers, changemakers, and key voices within the AI community. The summit provided a platform to facilitate ambitious interdisciplinary discussions on AI in Africa among major continental players, amplify leading AI research and innovation from the region, spotlight leading women researchers and changemakers in the field, expand and deepen African networks in and around AI, and further the progressive AI governance global agenda with key leadership institutions.

During the summit, DSN spoke about the need for a greater emergence of female perspective to further strengthen the AI community and better promote learning, innovation, and meaningful contributions back to the world.



# Ladies in AI Design Thinking in Machine Learning Session with Akshatha Kamath

In our ongoing efforts to promote gender equality and inclusivity, DSN Ladies in AI organized a hybrid masterclass titled “Introduction to Design Thinking in Machine Learning Projects,” featuring Akshatha Kamath. Akshatha, a design-thinking practitioner and Teaching Assistant at Stanford University, United States, shared her expertise with us. The event attracted over 60 participants.

Throughout the session, attendees had the opportunity to delve into user-centric design and its application in Machine Learning projects. The masterclass emphasized a practical approach, allowing participants to engage in hands-on activities involving real-life use cases.









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**Building Responsible AI Talents**

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# Empowering Digital Skills Development through the Microsoft Responsible AI Workshop in Nigeria

In collaboration with Microsoft and the Federal Government of Nigeria, DSN - Data Scientists Network (also known as Data Science Nigeria) successfully organized a groundbreaking Responsible Artificial Intelligence (AI) Workshop at the Microsoft Nigeria office on Friday, June 16, 2023, and Thursday, June 22, 2023.



The workshop commenced with an interactive panel discussion to demystify the concept of Responsible AI across different sectors.

This collaboration between Microsoft, DSN, and the Federal Government of Nigeria exemplifies a shared vision to promote digital inclusivity and equip the Nigerian youth with the necessary skills for the digital age.

The workshop brought together data science professionals, start-ups, and academic researchers to explore the amazing possibilities of the new Microsoft Responsible AI Dashboard as a comprehensive platform designed to assess, review, and address biases in AI models and systems.







# Mobilizing Community for Responsible AI Practice

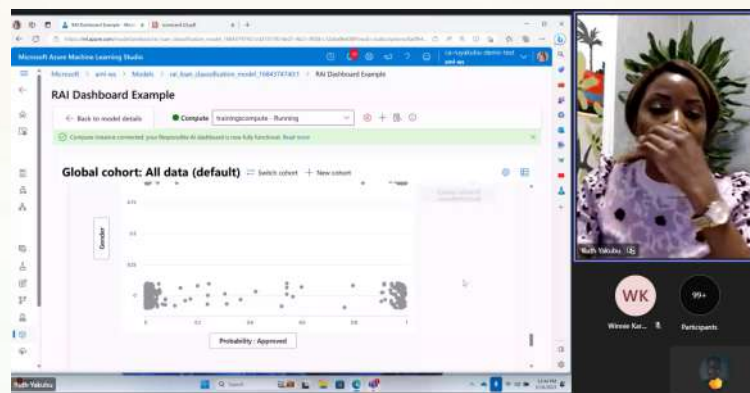
This initiative was designed to assist users in developing inclusive, less harmful, and less biased AI models.



## Train the Trainer on Responsible AI

There was also a practical hands-on session facilitated by Microsoft's Principal Cloud Advocate, Ruth Yakubu, and supported by Microsoft-trained trainers to train community members.

This immersive session gave the participants valuable experience utilizing the Microsoft Responsible AI Dashboard.



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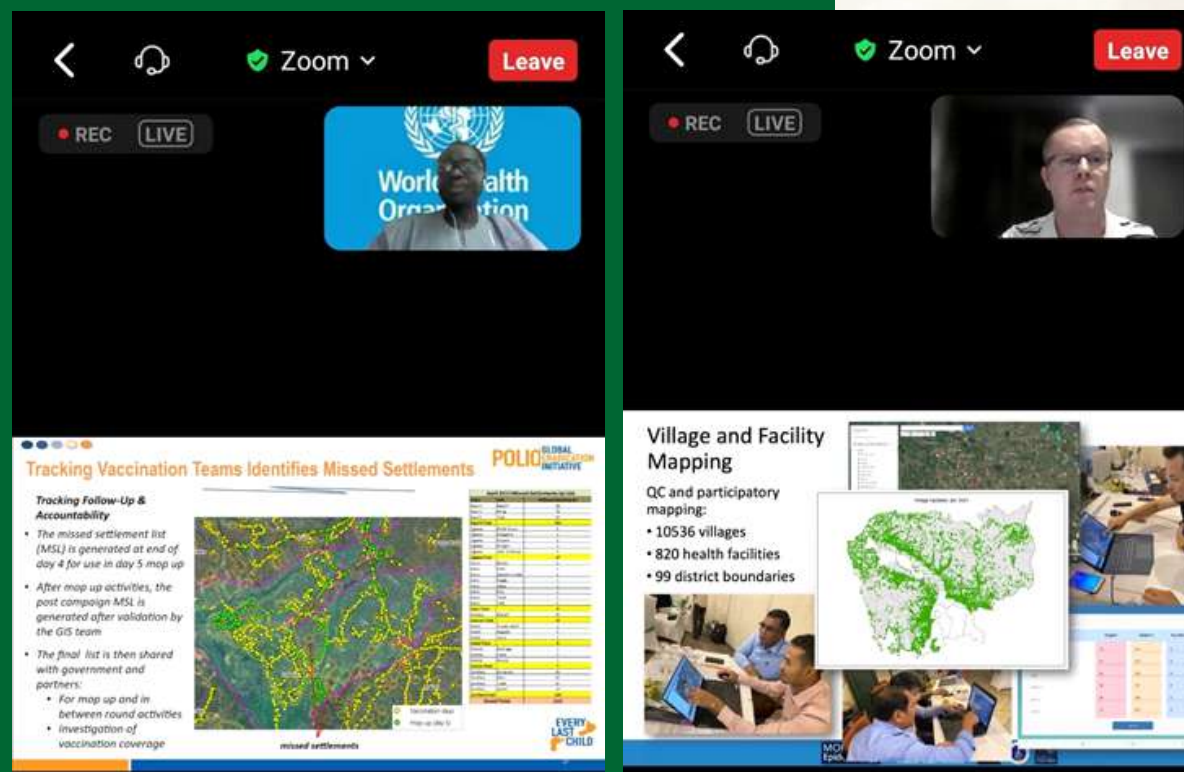
**Geospatial AI for Social Good**

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# World Health Organization Session on the Donor Consultation on the Nexus between Health and Geospatial Capacities.

DSN participated in a webinar organized by the World Health Organization (WHO) and UNICEF, in collaboration with Gavi, the Bill and Melinda Gates Foundation (BMGF), the World Bank and Global Fund partnership.

The webinar focused on geo-enabled microplanning best practices, common challenges experienced, and a range of use cases shared by various global contributors, industry experts, and academics within fields such as Grid3, MORU, Akros, AFRO/PEP, CDC, etc. Afterward, a handbook titled “Geo-Enabled Microplanning Handbook” was launched and captures best practices on geo-enabled microplanning.



**Tracking Vaccination Teams Identifies Missed Settlements**

**Tracking Follow-Up & Accountability**

- The missed settlement list (MSL) is generated at end of day 4 for use in day 5 map up
- After map up activities, the post campaign MSL is generated after validation by the GIS team
- The final list is then shared with government and partners:
  - For map up and in between round activities
  - Investigation of vaccination coverage

**Village and Facility Mapping**

QC and participatory mapping:

- 10536 villages
- 820 health facilities
- 99 district boundaries



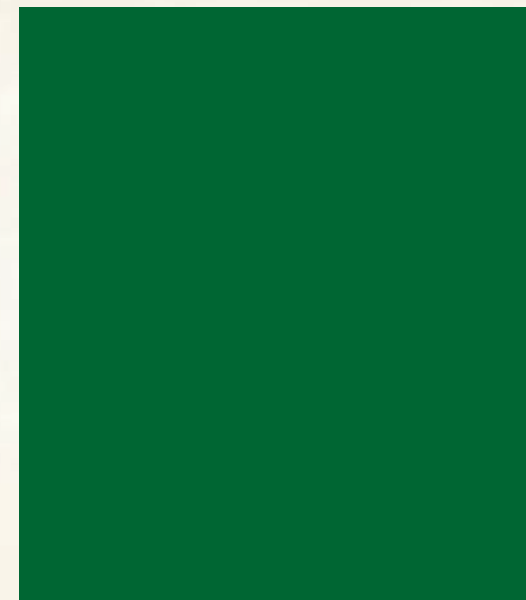
# Participation at the DevAfrica Geospatial Insights and Strategy Team for Bill and Melinda Gates Foundation

DSN participated in Nigeria's Geospatial value pipeline landscape assessment workshop organized by Dr. Mollie Van Gordon and the Bill and Melinda Gates Foundation team and in partnership with Dev-Afriq. The end-to-end assessment of the geospatial data ecosystem aimed to better understand the gaps, identify opportunity areas, and plan a stakeholder validation forum to forge the next steps in the geospatial development path in Nigeria



The workshop brought together every custodian of the geospatial data set in Nigeria, as well as those in academia and industry experts. They include: ASRDA; OSGOF; NPC; NBS; NBC; NPHCDA; GRID3; NATVIEW Foundation; GEOSON; OAU; eHealth Africa; the Ministry of Budget and National Planning; Kaduna and Lagos State Bureaus of Statistics; World Bank; Global Fund; UNICEF; UNFPA; CHAI; World Pop; the Flowminder foundation; and Data Scientists Network.

DSN participation in the workshop further solidifies the role we play and the impact we make in the revolutionary AI ecosystem.





# Dr. Mollie Van Gordon, BMGF Senior Program Officer and Head of Geospatial Investments Visit to DSN AI Hub

DSN continues to keep its doors open to learnings, collaborations, and partnerships that align with our commitment to raise 1 million AI talents and building solutions that improve the lives of 1 billion people in the emerging market. To live out this commitment, we welcomed Dr. Mollie Van Gordon, BMGF Senior Program Officer and Head of Geospatial Investments, to our AI hub in Lagos, Nigeria.

We explored Nigeria's Geospatial ecosystem's challenges and discussed opportunities for collaboration and partnership. Such visits provide DSN the opportunity to further explore global partnerships that support the numerous work we do to democratize AI Knowledge.









# Meta/Facebook Geospatial AI for Social Good Project - Kenya, Nigeria, Senegal and South Africa

The Meta/Facebook Geospatial AI for social good project is an inclusive and Pan-African hands-on training and learning hackathon focused on solving specific local problems and driving data-driven decision-making in health service optimization applications using mobility and geospatial data. The initiative achieved the building of an ecosystem for local talent development and the application of geospatial/mobility data for health solutions designs in four African countries: Kenya; Nigeria; Senegal; and South Africa. This initiative was done in partnership with Meta (formerly called Facebook).

The project garnered participation across Africa and supported participants to build health solutions for their local communities for which they won prizes.







# Reproductive, Maternal, Newborn, Child Health and Nutrition Geospatial Project

DSN is privileged to be one of the consortium partners that is implementing a geo-enabled microplan to improve the microplanning processes in the health sector across 10 states in Nigeria. It aims to enhance Reproductive, Maternal, Newborn, Child Health, and Nutrition (RMNCHN) outcomes along the continuum of care by identifying service delivery and operational gaps that affect access to quality health care and support the development of realistic, context-specific plans to address them.

It will leverage existing structures and build on lessons learned, implementing digital health solutions in Nigeria as well as the use of geospatial maps and tools for polio eradication and routine immunization.

This project provides an opportunity for DSN to live out one of its mandates to build solutions that improve the lives of people in the emerging market.



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**Global and Local AI Community  
Event Participation**

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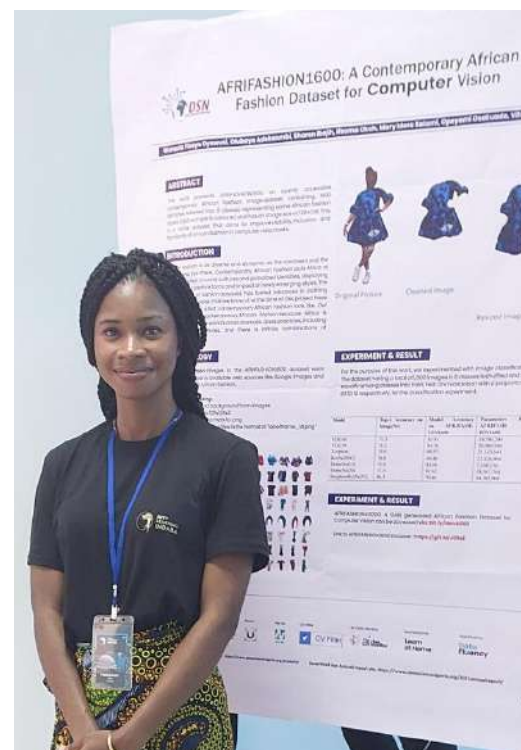
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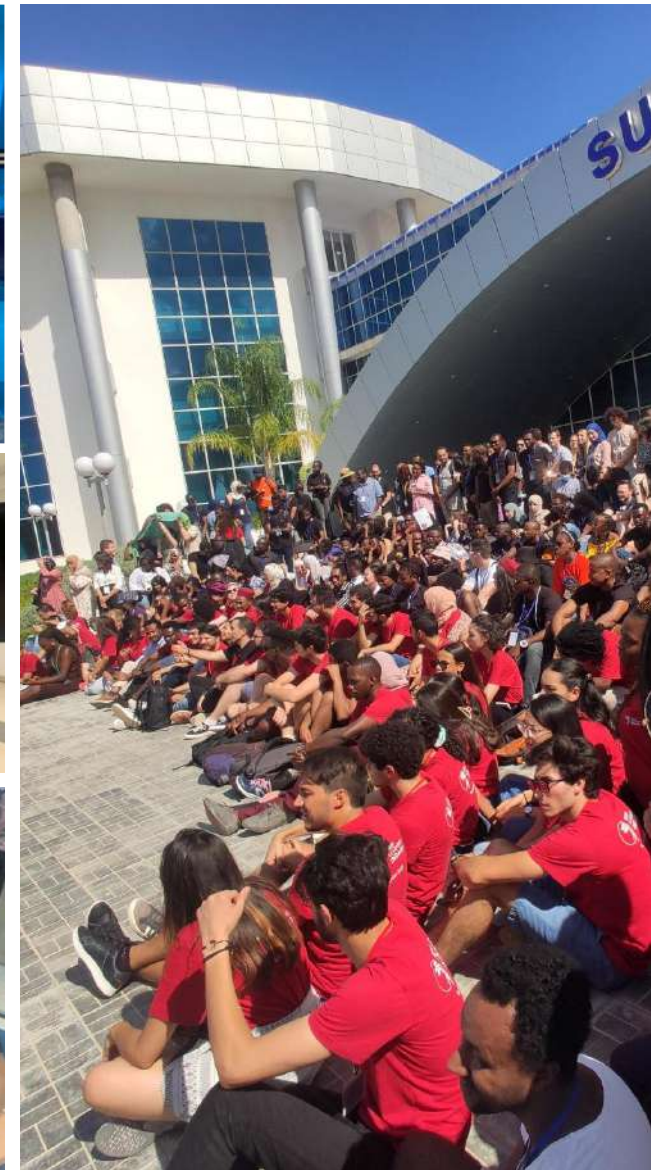
# Paper Presentation at the Deep Learning Indaba/AI Hack Conference, Tunisia

Celebrating collaborative research and networking, the African Machine Learning and AI community came together for a remarkable event known as Deep Learning Indaba. This gathering aimed to foster learning, collaboration, and research among researchers, students, and engineers. In 2022, the Indaba happened in person—creating an atmosphere of excitement and camaraderie.

During the week-long event, representatives from the Data Scientist Network (DSN) had the honor of taking the stage and showcasing their expertise. DSN presented a captivating research paper and an array of posters, capturing the attention of attendees from across Africa.









The research community of DSN proudly presented their paper titled "AFRIFASHION1600: A Contemporary African Fashion Dataset for Computer Vision." Authored by esteemed DSN researchers. The research paper was presented by DSN Research lead Dr. Soufiane Hourri, Mary Salami, and David Akanji. The paper aimed to elevate the visibility and familiarity of African fashion within the realm of computer vision. The innovative approach and potential impact of the research sparked great interest among the audience.

The poster session at Deep Learning Indaba showcased the diverse research areas explored by the DSN communities. Among the standout posters were "Detection and Analysis of Plastic Waste: A Tiling Approach," presented by Bunmi Akinremi, "Classification Model for Covid-19 and Pulmonary (TB) from X-ray Images," presented by Folorunso Mubarak who represented DSN-Olabisi Onabanjo University, and "Chemotronix: An IoT Device for CO<sub>2</sub> Emission Prediction," presented by Omojuwa Grace who represented DSN-OAU. These posters represented the commitment and ingenuity of DSN members in addressing real-world challenges through cutting-edge research.

Not only did DSN showcase their research prowess, but their mentors also left a lasting impression. Sara Hooker, a distinguished DSN representative, delivered a compelling talk on "Machine Learning for All" during the ML efficiency workshop. The founder of DSN, Dr. Bayo Adekanmbi, upheld the spirit of research excellence by sharing insights on growing AI and ML in Africa.

Amidst the knowledge-sharing and academic endeavors, the DSN community also had fun with one another. They organized a special Indaba dinner, inviting more than 40 DSN members from various parts of Africa who attended the event. This gathering provided a refreshing opportunity to unwind, learn from one another, and forge lasting connections.



# Paper Presentation at the ICMECE 2022 BARCELONA Conference

At the 2022 Interdisciplinary Conference on Mechanics, Computers and Electrics (ICMECE), DSN participated and presented a research paper titled “Deep Convolutional Neural Network Vectors for Speaker Recognition.” ICMECE is a gathering of scientists, engineers, researchers, technicians and other industrial representatives held in Barcelona.



Join Our Research and Innovation List  
**Soufiane Hourri Ph.D**  
 At the ICMECE 2022 where  
 I will present a paper titled  
 Deep Convolutional Neural Network  
 Vectors For Speaker Recognition



# Participation at the Zindi Umoja Hackathon

DSN partnered with Zindi’s UmojaHack, an annual interuniversity hackathon for African students, to engage beginner, intermediate, and advanced learners on the power of solving problems using machine learning and real-world data sets. We organized an intensive, focused mentorship program spanning two weeks—specifically aimed at empowering our campus communities.

During this two-week initiative, participants engaged in practical and technical sessions facilitated by seasoned experts and previous winners of hackathons. These mentors provided a detailed, step-by-step guide, imparting winning strategies for hackathons and offering valuable insights on how to position oneself for maximum success throughout the season.

The mentorship program’s primary objective is to enhance the representation of Nigerian students on the leaderboard while equipping them with the necessary tools to excel as top performers. The final results demonstrated that this objective was successfully achieved.

See the Umoja Hack Leaderboard summary:



**UmojaHack 2023 Winners**

BASIC CATEGORY			
TEAM NAME	COMMUNITY	GLOBAL RANKING (2023)	NIGERIAN RANKING (2023)
Data Squad	DSN LAM	9	1
hack2k_20k	DSN LAM	13	2
DSN_Students	DSN LAM	18	3
INTERMEDIATE CATEGORY			
TEAM NAME	COMMUNITY	GLOBAL RANKING (2023)	NIGERIAN RANKING (2023)
Heads Up	DSN LAM	2	1
DSN	DSN LAM	1	2
Computers_Umoja	DSN LAM	1	3
ADVANCED CATEGORY			
TEAM NAME	COMMUNITY	GLOBAL RANKING (2023)	NIGERIAN RANKING (2023)
Team Blue	DSN LAM	1	1
DSN	DSN LAM	2	2
DSN	DSN LAM	3	3
DSN	DSN LAM	18	4



# Paper Presentation at the ICLR 2023, Rwanda

DSN had the honor of participating in the International Conference on Learning Representations (ICLR) 2023 conference, a renowned platform that brings together leading researchers from across the globe to share their latest findings and advancements in machine learning. Our team not only attended the conference but also presented a paper titled “Prediction of the Ability and Motivation to Adopt Reproductive Health Behavioral Change Using Anonymized Call Center Audio Data.”

This study explores the potential of leveraging anonymized audio data from call centers to predict an individual’s ability and motivation toward adopting reproductive health behavioral changes. The conference was held at the prestigious Kigali Convention Center in Rwanda, providing an excellent backdrop for exchanging knowledge and fostering collaborations in the field of machine learning.



# Participation at the IRCAI Pan African AI for Development (AI4D) Workshop in Senegal

The DSN community was pleased to have representation on the Artificial Intelligence for Development (AI4D) Africa Implementation Committee's three-day workshop held at Royal Horizon Baobab, Somone, Senegal.

The workshop was facilitated by International Development Research Centre-Centre de recherches pour le développement international (IDRC-CRDI), Swedish International Development Cooperation Agency (SIDA), and Feminist Data Research (FDR).

The workshop's objective was to lay the foundation necessary to develop an ongoing collaboration that can successfully drive the medium- and long-term future of the AI4D Africa Program.





# Panel Discussion at AOT 2022

Our Lead Mentor, Dr. Olubayo Adekanmbi, was part of the Art of Technology, Lagos, 2022—the largest tech conference in Nigeria.

He joined other Technology Stakeholders in a plenary session about the “Tech Talent Workforce Toward Economic and Societal Growth.”

The replay of the session can be watched here: <https://youtu.be/bGVTxleJFKg>







## Lagos Business School Pan Atlantic University's African Retailers Academy Webinar Session

As part of our commitment to activate digital transformation for African organizations, DSN participated in the Lagos Business School's third Africa Retail Academy Webinar Series. This event focuses on the vital role of data in transforming Africa's retail organizations. Africa Retail Academy is an initiative of the Lagos Business School aimed at nurturing a community of experts and practitioners in the African retail sector, as well as providing a platform for the dissemination of the continent's current retail advancements.

DSN's Lead Mentor and Consultant, Dr. Olubayo Adekanmbi, shared extensively at the Webinar on "harnessing the power of data to transform Africa's retail industry" and how businesses can explore data and its application in delivering better business benefits.

The summary and report of the Webinar can be accessed below:

[https://drive.google.com/file/d/1N\\_dYmDRW1d9edDQzr3Qe-WaPTWN-U4g2/view](https://drive.google.com/file/d/1N_dYmDRW1d9edDQzr3Qe-WaPTWN-U4g2/view)

## Participation at the African Institute for Mathematical Sciences (AIMS) Rwanda Design & Implementation Workshop

As part of Foundational Methods In Data Science' Training School 2023, DSN participated in a Design & Implementation workshop focused on African Data Science Degrees.

The workshop, organized by the African Institute for Mathematical Sciences Rwanda (AIMS Rwanda), brought together academics and leaders in African higher-education institutions to discuss strategies and best practices for designing cutting-edge data science degree courses and training programs to prepare the next generation of African data scientists.

DSN offered the perspective it has gained, sharing successes and lessons learned that are essential in building work-ready professionals through a robust curriculum design.



# Participation and Stakeholder Engagement at the Africa AI Conference Kigali, Rwanda

The AfricAI Conference brought together participants from Africa's AI communities and ecosystems to share knowledge and best practices—from diverse contexts and perspectives and from fieldwork to policy guidance and implementation. It was a platform that provided the opportunity to exchange public and private-sector research to build responsible and open AI ecosystems and create new alliances and opportunities for future collaboration. With about 300 attendees, DSN brought significant representation and contributed its collective knowledge on developing Africa's AI ecosystem.



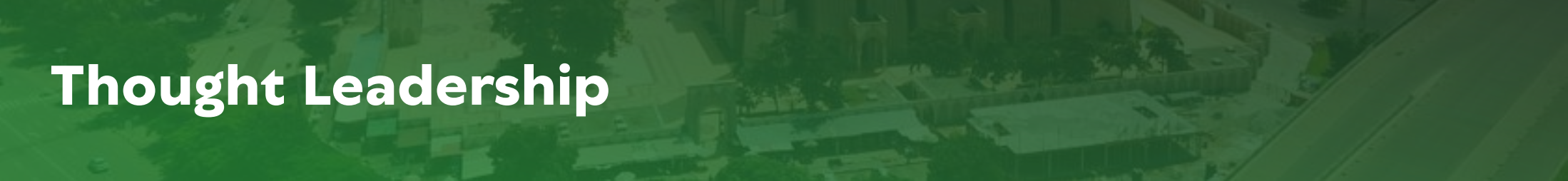




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**Thought Leadership**

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# Participation as a Speaker at the Nigerian Internet Forum on Data Sharing & Digital Sovereignty in Nigeria

Our lead mentor, Dr. Bayo Adeganmbi, joined other major internet stakeholders at the 2022 Nigeria Internet Governance Forum (NIGF) to discuss some of the most pressing Internet Governance and Digital Policy Issues.

The theme of the event was: Advancing Digital Transformation and Trust in Nigeria

The session can be watched here:  
<https://fb.watch/kRGo68jldO/>

# DSN Founder Keynote Speech at DataFest Africa



Dr. Bayo Adeganmbi gave a keynote speech on “Building the Africa Data Ecosystem” at the inaugural edition of DataFest Africa 2022. He discussed the four fundamental pillars that drive ecosystem success using case studies from Africa and the work done by Data Scientists Network (Data Science Nigeria).

[https://youtu.be/aCE\\_dGPOqAw](https://youtu.be/aCE_dGPOqAw)



# Data.org Webinar on the New Accelerate Aspiration Report

Dr. Bayo Adekanmbi spoke at Data.Org's webinar titled "Accelerate Aspirations: Moving Together to Achieve Systems Change Report Launch."

Rooted in Data for Social Impact (DSI), the event focused on the "Accelerate Report" with insights and reflections from the field, key findings, and recommendations for converting the energy for DSI into a velocity that will drive collective social impact.

There were also discussions on the progress, trends, risks, and opportunities in the DSI field to drive systemic change.

The session can be watched here:  
<https://youtu.be/KyLxMlytiSk>

# Dr. Stephen Odaibo Speaking at the Medical Device Software Development Summit, Europe 2023

DSN had the privilege of being supported by an esteemed advisory board comprised of renowned experts and thought leaders in the field of AI. Their wealth of knowledge and expertise allows us to make a significant impact across various sectors.

One of our esteemed advisory board members, Dr. Stephen Odaibo, a highly respected physician, computer scientist, mathematician, and founder of Retina-AI Health, had the honor of speaking at the Medical Device Software Development Summit, Europe 2023, which took place in Munich, Germany. This summit brought together regulatory, quality, and technical teams in the medical device software industry from around the world. Its objective was to explore practical and actionable strategies for designing and validating medical devices that are compliant, competitive, and secure.

Dr. Stephen Odaibo's sessions at the summit showcased the groundbreaking research and practical applications of AI in the medical field. His presence and contributions served as a testament to the immense potential of AI to revolutionize healthcare and improve patient outcomes.



## Call Detail Record Conference Participation as a Speaker

CDR- The Nigeria Call Detail Records (CDR) Stakeholder Conference which was held in Abuja on August 4th, 2022, focused on the transformative potential of Call Detail Records (CDRs) beyond telecommunications.

Opeoluwa Iwashokun, Technical Lead for Data Scientists Network (DSN), highlighted how CDRs can contribute to understanding disease movement, human mobility, and inform infrastructural planning for national development.

The conference brought together stakeholders from healthcare, transportation, government and non-government sectors to explore the power of CDRs in these areas. By analyzing CDRs, researchers can track disease outbreaks, healthcare professionals can plan targeted interventions, and policymakers can make informed decisions about transportation infrastructure and resource allocation, ultimately promoting public health and supporting sustainable national development.

## Participation as Speakers at the Deep Learning IndabaX Nigeria at Thomas Adewumi University, Ilorin

The team facilitated on Leveraging IoT Data to Optimizing Retail Strategies with Geospatial Analytics and Power BI at IndabaX Nigeria, 2023 held at Thomas Adewunmi University, Oko, Kwara State.

At the Thomas Adewumi University - hosted Indabax Nigeria 2023 Annual Conference, Our Impact Network and Community lead, David Akanji and Mayowa Sholola, conducted a workshop centred around harnessing the power of IoT Data to optimize retail strategies. The workshop specifically focused on utilizing Geospatial Analytics and Power BI tools.









The primary objective of this workshop was to foster knowledge democratization by equipping participants with practical experience and industry insights related to finance data. By applying the concepts learned during the workshop, attendees were able to gain valuable exposure to real-world scenarios within the banking industry.

Attendees were able to gain hands-on experience by working with sample datasets and applying the workshop concepts to real-world scenarios within the banking industry.





# DSN Ilaro Community Launch

The community team visited the DSN Ilaro during the launch of the DSN community in the bid to expand and encourage the community.

David Akanji introduced Data Science Nigeria, its vision, and benefits for members. Raheem Nasirudeen Adeleye introduced Data Science and Machine Learning concepts, while Olawale Abimbola discussed career opportunities and skills. Questions were extracted from each presentation and administered to participants.





# Interview Appearance on CGTN Africa News Channel

In a recent interview on CGTN's Talk Africa, experts in the tech and AI industry, including our Lead Mentor Dr. Bayo Adekanmbi, discussed the benefits and challenges of AI. They agreed that AI is an exponential technology that can enhance productivity and simplify complex tasks. Control and alignment were identified as key issues in building AI systems, ensuring human dominance, and aligning AI with our goals.

Dr. Adekanmbi emphasized the importance of quality data for generative AI and the need for Africa to increase its content and supervise the learning process. He clarified that AI is not a replacement but an amplification technology, requiring Human Collaboration. Ethics, Transparency, and Explainability are vital, and AI should be Fair, Accountable, and Interpretable. The interview highlighted the possibilities and opportunities AI brings and the need for a balanced approach.

To learn more, watch the video at:  
<https://youtu.be/EL-ivej55PY>



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**Productization of Knowledge through  
Research and Locally-Relevant Solutions**

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# Listing of DSN Three Products in the UNESCO - IRCAI 2022 Top 100 Products

Three of DSN's innovative products made it to the prestigious International Research and Artificial Intelligence (IRCAI) Global Top 100 list for social impact in 2022. This is an improvement from the two products that were listed in the previous year's edition. The virtual unveiling event on May 4, 2023 revealed the shortlisted products.

The IRCAI/UNESCO Global Top 100 aims to recognize and highlight effective solutions from around the world that contribute to the United Nations Sustainable Development Goals (SDGs). DSN's three listed products align with several SDGs, demonstrating our commitment to drive positive change through the power of technology.

These include:

1. AI-powered Classroom Engagement and Learning Optimization System: Enhances the role of teachers by efficiently tracking students' activities, behavior and engagement in the classroom.
2. AI-powered Learning socialization and virtualization platform: Employs deep learning and augmented reality to provide immersive learning experiences. By utilizing QR codes embedded in books, this solution delivers pre-recorded animations that explain complex concepts, ensuring access to quality education for learners from low-to middle-income households.
3. AI-powered SMS Fraud Detector and Instant Fraud Prevention Call Alert: Utilizes Natural Language Processing (NLP) and CrowdML to validate text messages and online content in real time.

Read more:  
<https://ircai.org/global-top-100-outstanding-projects/results/>

# Deep Learning IndabaX Nigeria 2022 participation, Paper Presentation and Best Poster Award Winner 3 years in a Row.

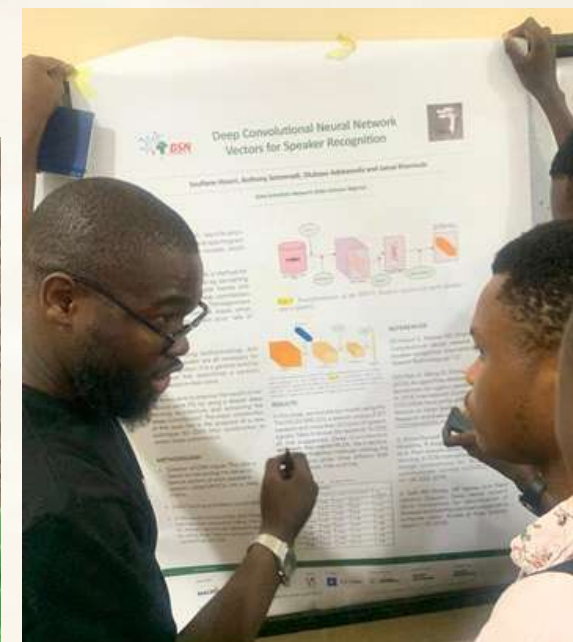
DSN actively Participated in the co-sponsored IndabaX Nigeria, a local event aimed at advancing knowledge and capacity building in machine learning and artificial intelligence. The conference featured engaging lectures, tutorials, lab sessions, and research paper presentations. DSN's research team showcased their expertise by presenting the following papers:

- Electricity Demand Forecasting: Coverage Estimation and Distribution Planning using Mobile Phone Call Data Record (CDR)
- Two-Way Currency Recognition Model/ Bi-Directional Currency Detecon
- A Review of Deep Learning Low-Quality Face Recognition Methods
- Deep Convolutional Neural Network Vectors for Speaker Recognition
- Climate Change: Precise Waste Management Using Call Detail Record to Reduce the Emission of Greenhouse Gases.
- Crop Recommendation for Precision Agriculture using Machine Learning Techniques – Towards a More Sustainable Agriculture.
- Intelligent Allocation of Relief Funds Using Travel Patterns Pate in Movement Data- Case Study of 2012 Nigerian Floods
- A Systematic Literature Review on Classroom Student Engagement Using Emotion and Body Movements Recognition
- Predicting Poverty in Multiple Dimensions with Mobile Phone and Satellite Data for Humanitarian Assistance

Notably, the DSN paper won the prestigious Best Poster Award, earning recognition for its innovative approach.



The winning poster, titled "Using CDR Dataset for Electricity Distribution," focused on leveraging Call Detail Records (CDR) data to enhance electricity distribution systems. By analyzing patterns in CDR data, the research identified areas with high and low electricity demand, enabling utility companies to optimize their distribution networks and make informed infrastructure investments. This breakthrough has significant implications for the sector and was lauded at the INDABAX conference in Ibadan 2022.



## Acceptance and Presentation of DSN Paper SMS Fraud Detector and Instant Fraud Prevention Call Alert at the AI in Africa Workshop

Our research paper on SMS Fraud Detector and Instant Fraud Prevention Call Alert was accepted at the AI in Africa Workshop.

The paper's aimed to provide a framework in which fraudulent messages can be proactively stopped before it could cause any harm. In order to achieve this goal, we curated a list of fraudulent messages both from online sources and crowd sourced from community contributions. The dataset includes two major features.

- Sender info (i.e. sender ID, profile and author)
- Content (linguistic feature)

Using the crowd-sourced dataset, a machine learning model was built with the intention of classifying whether a text was fraudulent or not. The model graded each text between 1 (fraudulent) and 5 (safe).

## NeuRIPS Conference Participation and Presentation of Research Papers

We're thrilled to have participated in the esteemed NEURIPS conference 2022, the world's largest and foremost Artificial Intelligence event, held in New Orleans, Louisiana, USA. At this prestigious gathering, we had the privilege of presenting five of our research works, which were meticulously peer-reviewed and competitively selected.

Our groundbreaking studies delve into various domains, including AI applications in mental and reproductive health, humanitarian intervention, and leveraging mobile phone data for social welfare. We're proud to be at the forefront of pushing the boundaries of AI and making a positive impact in these crucial areas.





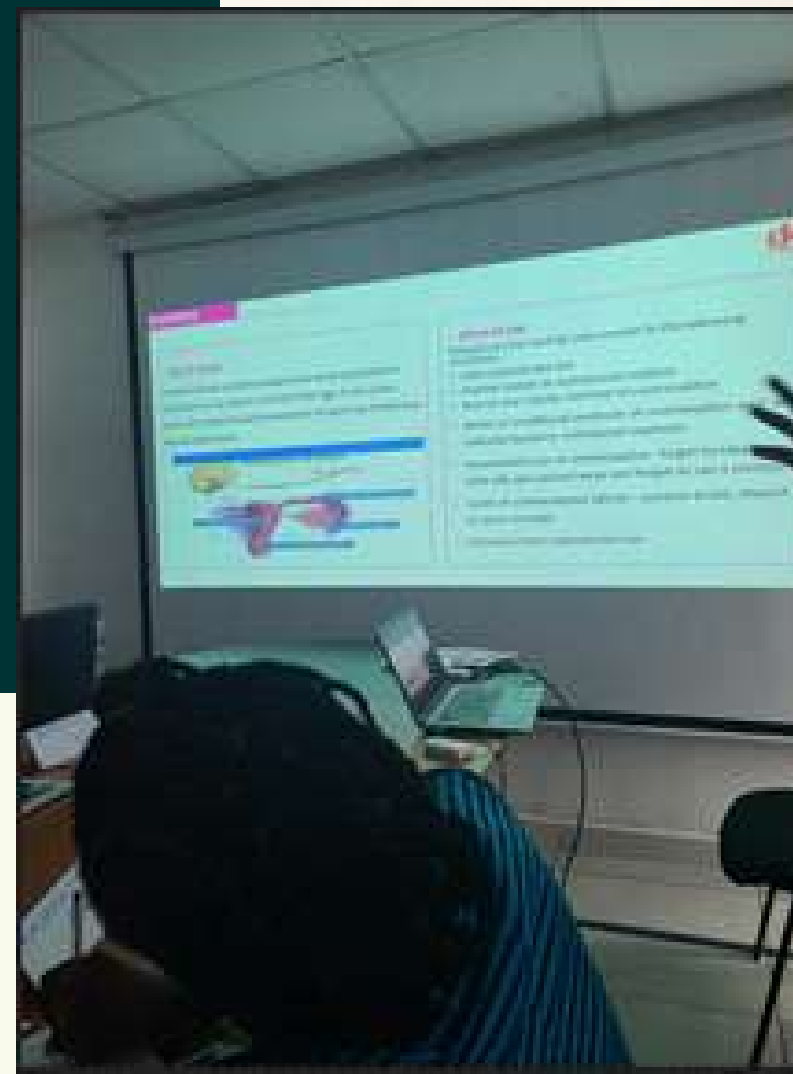
# DKT Digital Counselling and Contraceptive Continuity Project

The Digital Counselling and Contraceptive Continuity project is a family planning and reproductive sexual health AI-enabled solution.

The objective of the project is to Deploy real-time AI-enabled personalized engagement to enhance family planning engagement and persuasion process, required for positive behavioral lifestyle change. This includes:

- Promoting usage of family planning methods
- Knowledge of discontinuation of family planning methods
- Promoting client-centric approach to family planning counseling

The project involves deployment of an AI-enabled chatbot, a call center engagement optimization platform, and social media analytics of family planning and reproductive sexual health related terms, brands, usage, threats and awareness.



# Data Science Africa 2023- Research Paper Presentation

DSN presented a total of five papers on the topic of geo-semantics at the 2023 Data Science Africa workshop. The workshop, focused on utilizing data science for Africa's socio-economic development, aimed to establish a network hub for data science researchers in Africa.

The objectives of Data Science Africa include creating an index of researchers and practitioners in the field, developing lecture resources, providing information and potential data sources, setting up a discussion forum for data science questions, and establishing an online presence for data science conferences and workshops.

The titles of the papers presented included:

1. "Geospatial Typology of Citizen-Reported Security Threats at Community Level Using Social Media Data"

2. "Geo-Semantic Surveillance and Clustering of Crime Locations and Social Risk Hotspots Using Print Media Reports"

3. "Audio-Text-Map: Automated Location Mapping and Real-Time Direction Generation for Public Emergency Intervention Using Toponym Resolution of Social Media and Call Center Conversation Data"

4. "Geo-Parsing Locations During Natural Disasters for Emergency Intervention Management: A Case Study of Citizen-Led Social Media Posting of The Flood in Nigeria"





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**Scaling for Global Impact/Global Recognition**

# DSNai for Profit Expansion of Operation into Three Countries Operation- Nigeria, UK and Dubai

Our transition and renewed focus as a social enterprise building AI solutions that enhance the lives of 2 billion people in this emerging market has birthed DSNai in three different locations: London; Lagos; and Dubai.

DSNai is an AI solutions firm focused on building mass market/no-code AI products and services for health, financial inclusion, agriculture and education, while also supporting businesses to profitably through serving mass market consumers with low-code AI innovations.

## DSN Inclusion in the State of AI in Africa Report by the AI Media Group South Africa

DSN was featured in the State of AI in Africa Report as part of the notable communities making an impact in the Artificial Intelligence industry in Africa. The State of AI in Africa Report, published by the AI Media Group South Africa, offers an analysis of the emerging Artificial Intelligence landscape in Africa.

It contains multiple statistics and trends while offering insights on key communities driving the ecosystem across the continent.

The online launch of the State of AI in Africa Report can be watched here: <https://youtu.be/4a3D8HQtpQE>

The report can also be downloaded using this link:  
<https://aiafricareport.gumroad.com/>



## DSN Listing in the Latest Data.org Global report on Report on Data Talent for Social Impact

DSN was listed in the latest Data.org Global Report on Data Talent for Social Impact, known as Workforce Wanted. This report highlights current state of purpose-driven data professionals.

Read more: <https://data.org/wp-content/uploads/2022/06/Workforce-Wanted-Data-Talent-for-Social-Impact.pdf>

## Participation at the Stanford Social Innovation Review Webinar on Using Data Refineries to Drive Social Impact

DSN founder Dr. Bayo Adekanmbi participated as a panelist alongside Kriss Deiglmeier, chief global impact officer at Splunk, Ludovic Breger, managing director of BlackRock Index Services, Mary Morris Hyde, director of research and evaluation at AmeriCorps, Jason Saul, executive director of the Center for Impact Sciences at the University of Chicago's Harris School of Public Policy, and Bryan Maygers, deputy editor of Stanford Social Innovation Review at the Stanford Social Innovation webinar with the theme "Using Data Refineries to Drive Social Impact - Learn How!".

The webinar, which was organized by Stanford Social Innovation Review and the Center for Impact Studies and the University of Chicago, focused on learning approachable steps to refine the nonprofit data use. The webinar explores how philanthropists, nonprofits, for-profits, and government policymakers can come together to build a data ecosystem that leverages the power of data for social and environmental benefit.

The session can be accessed through:  
[https://ssir.org/webinars/entry/using\\_data\\_refineries\\_to\\_drive\\_social\\_impact\\_learn\\_how](https://ssir.org/webinars/entry/using_data_refineries_to_drive_social_impact_learn_how)

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**Partnership and Policy for Social Development**

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# DSN Partnership with Lagos State Employment Trust Fund (LSETF) on Lagos Innovate Workspace Voucher Program

DSN is in partnership with Lagos Innovates, an initiative of the Lagos State Employment Trust Fund (LSETF) to execute the Lagos Innovate Workspace Vouchers Program.

The Program aims to support the highest potential founders and/or startups in Lagos State at the very early stages of their ventures (ideation to very early revenue) by facilitating access to well-equipped workspaces and learning.

The DSN AI Hub has been made available as a medium to achieve its vision to accelerate AI startups.

<https://lagosinnovates.ng/about/partners>



# Data.org Visit to Nigeria in December 2022

It was a pleasure to host our strategic partner Data.org as they embarked on a transformative working visit to Nigeria. The six-day visit provided a unique opportunity for Data.org's team to engage with local players in the tech space, projects, and on-ground partners dedicated to leveraging data science for social impact.

The visit was made possible through the collaborative efforts of Co-creation Hub (CcHUB), Eko Innovation Centre NG, Nithub, Impact Hub Lagos, Pan-Atlantic University (Lagos Business School), ColdHubs Limited, and Mastercard Foundation.

The visiting team actively engaged in a series of interactive sessions, workshops and site visits, aimed at exploring the potential of Data Science to address social challenges and drive sustainable development.

The collaboration was in line with Data.org's commitment to supporting local initiatives and facilitating data-driven solutions for social impact across the globe.







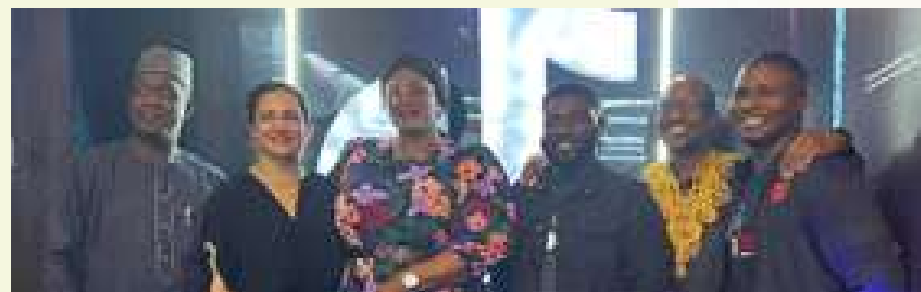


# TikTok Online Safety and Digital Wellness

To create awareness on online safety issues such as digital citizenry, mental health, and wellbeing, DSN partnered with the renowned social media platform TikTok on online safety tools.

The collaboration, which had a preliminary direct engagement with different stakeholders, including parents, school owners, administrators, and tutors, emphasized the importance of online safety and digital wellness, while demonstrating TikTok's seven safety features and how these can help to eliminate online abuse, internet misuse, cyberbullying, and related vices.

The awareness initiative received positive feedback from the stakeholders, most especially the parents, who commended the efforts of TikTok and DSN to ensure that kids are safe online through intentional tools that manage and control degrees of access to the internet.







# DSN and Intron African Clinical Speech-to-text Collaboration for Natural Language Processing and Automated Speech Recognition for Healthcare Masterclasses



**Intron AfriSpeech-100 Automatic Speech Recognition Challenge**

Can you create an automatic speech recognition (ASR) model for African accents, for use by doctors?

**\$5 000 USD**

**intron HEALTH**  **DSN** **ZIND!**

The poster features a central image of a female doctor in a white lab coat pointing at a whiteboard. The background is white with teal and yellow accents. The text is in bold, black, sans-serif font. The Intron Health logo is on the bottom left, followed by a yellow smiley face icon, the DSN logo, and the ZIND! logo. The word 'INTRON' is written vertically on the right side of the poster.

Intron Health and Data Science Nigeria (DSN) collaborated on the Intron AfriSpeech-200 Automatic Speech Recognition Hackathon. The event aimed to advance clinical speech-to-text technology in Africa and was hosted on the Zindi platform.

Participants were challenged to build robust speech-to-text models using the Intron AfriSpeech-200 dataset. In addition, Intron and DSN provided a two-day automatic speech recognition masterclass to support hackathon participants. The partnership sought to foster cutting-edge solutions for healthcare and communication in Africa.

The master class recording can be watched here:  
[https://www.youtube.com/watch?v=feD\\_3QugURE](https://www.youtube.com/watch?v=feD_3QugURE)



## DOWA (Doing Good Work in Africa) USA Official Visit to DSN

We were very excited to host our partner DOWA (Doing Good Work in Africa) at the AI Hub, in Yaba Lagos. DOWA is a non-profit organization with a free internship placement program for self-motivated, forward-thinking students who seek internships that provide diverse, experiential learning opportunities in high-impact, innovative sectors in Africa.

DSN has hosted some of the best global talents via internships through this laudable initiative by DOWA.



## Visit to the WorldPop centre in Southampton, UK, Geospatial Research Unit at the University of Southampton and Flowminder Team

Data Science Nigeria Lead Mentor Dr. Olubayo Adekanmbi embarked on a visit across the UK to several renowned institutions in the field of Geo-AI.

He had the opportunity to visit the WorldPop Centre in Southampton, the Geospatial Research Unit at the University of Southampton, and the Flowminder Team. These visits were part of our commitment to partnership-led growth and delivering impactful solutions in the Geo-AI space.

The WorldPop Centre, the Geospatial Research Unit, and the Flowminder Team are globally recognized for their expertise in geospatial research, data analysis, and innovative solutions. The collaboration with these institutions enables Data Scientist Network to stay at the forefront of advancements in the field.



# Tony Blair Institute AI Policy Project

With the focus on Accelerating Artificial Intelligence Adoption in Africa through Policy implementation, DSN collaborated with TBI Institute of Global change to develop a policy document:

*“From Toolkit to Embedded Practice: Accelerating Artificial Intelligence Adoption in Africa through Embedded Institutional Capacity Building and Minimum Viable Skillset Development for the Public Sector.”*

The document contains a seven-dimensional approach to embedded and institutionalized capacity building for Africa Public sector and robust policy implementation curriculum for the African Public Workforce.



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## **AI for Nation Building:**

Policy, Advocacy and Multi-stakeholder engagement to drive the institutionalization of impact for sustainable development

## Participation in the Nigeria National Artificial Intelligence Policy (NAIP)

DSN was part of the National Artificial Intelligence Volunteers Expert Group, facilitated by the National Information Technology Development Agency (NITDA), to contribute and work toward the research and development of the National Artificial Intelligence Policy (NAIP).

The development of the NAIP was envisaged to maximize the benefits, mitigate possible risks, and address some of the complexities attributed to using AI. The policy seeks to provide directions on how Nigeria could take advantage of AI, including its development, use, and adoption to proactively facilitate the development of Nigeria into a sustainable digital economy.

As part of the Volunteers Expert Group, DSN provides strategic advice, support, research, drafting, collating, and review on aspects related to the formulation and implementation of the National Artificial Intelligence Policy.

## Central Bank of Nigeria Launch the Financial Inclusion Dashboard at the IFIC 2022 in Collaboration with DSN and Efina

In Abuja, Nigeria, the National Financial Inclusion Governance Committee, led by the Central Bank of Nigeria (CBN), hosted the inaugural International Financial Inclusion Conference on November 24-25, 2022. With the theme "Financial Inclusion for all: Scaling Innovative Digital Models," this conference marked a significant milestone since the launch of the National Financial Inclusion Strategy (NFIS) in 2012. The NFIS aimed to reduce the percentage of financially excluded adults in Nigeria from 46.3% in 2010 to 20.0% by 2020.

Stakeholders in the financial sector have made remarkable progress since the launch of the NFIS, with the exclusion rate dropping from 46.3% in 2010 to 35.9% in 2020. The advent of the digital economy has fueled rapid developments within the financial sector, offering a diverse range of financial services and products through the flourishing fintech ecosystem. This presents unprecedented opportunities to expedite financial inclusion for more Nigerians, addressing their needs and enhancing their quality of life.



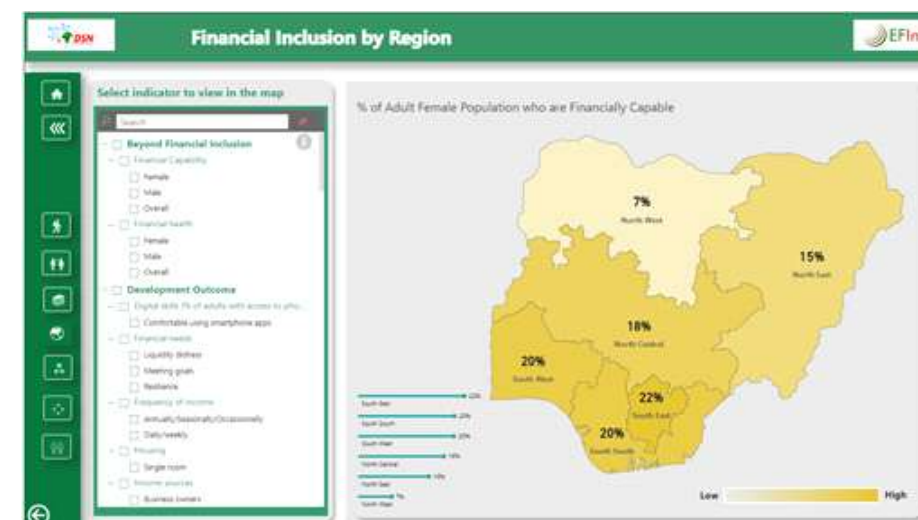


As part of the strategic activities surrounding the conference, DSN and the Enhancing Financial Innovation & Access (EFInA) jointly launched the National Financial Inclusion Dashboard on their website.

This dashboard tracks progress toward the National Financial Inclusion 2020 targets, providing valuable insights. DSN also organized a hands-on workshop for business and financial analysts from DSN Communities, focusing on Power BI capabilities, a skill-building program aimed at equipping participants with industry-relevant skills.

The International Financial Inclusion Conference 2022 brought together delegates, experts, and speakers from both domestic and international arenas to discuss the challenges, gaps, and opportunities in achieving the country's financial inclusion objectives.

The conference served as a platform to identify concrete solutions and interventions that would accelerate progress in this domain. Notably, the conference unveiled the revised National Financial Inclusion Strategy, the Nigeria Financial Services Map (NFS Map), the Women Agent Framework, and the Fintech Strategy, all geared toward enhancing financial inclusion.

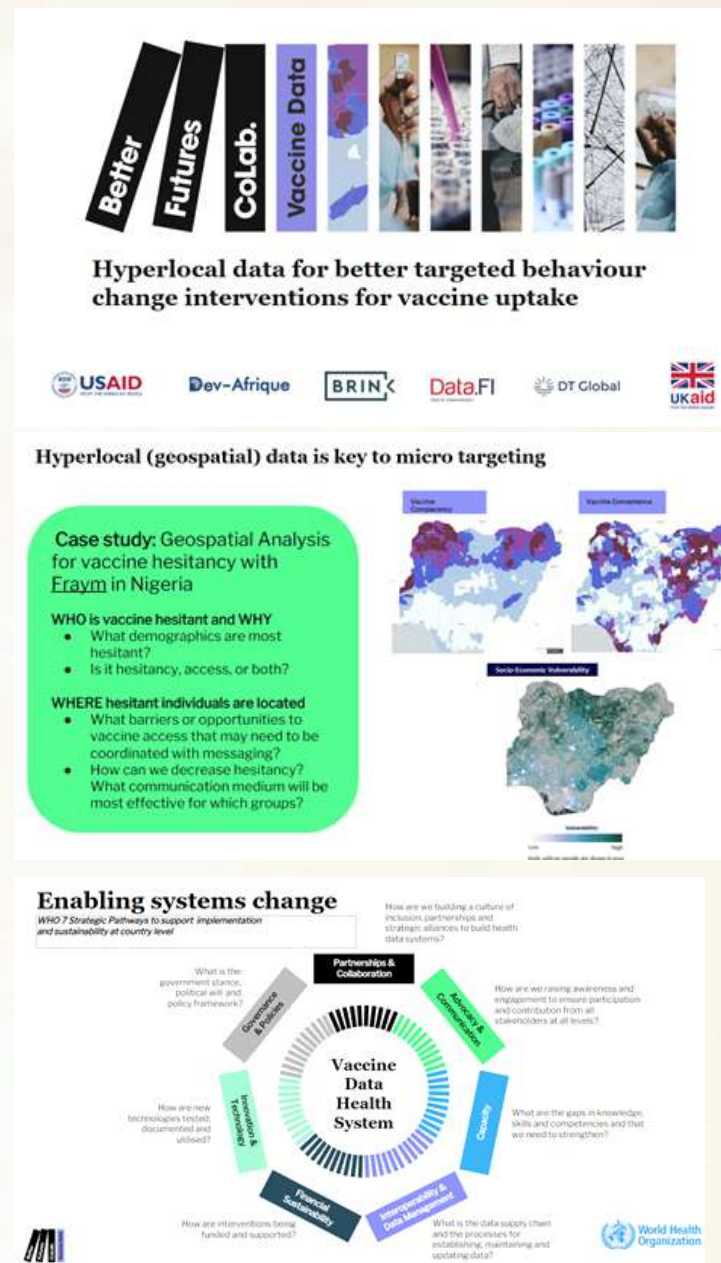


# Participation at the Vaccine Data Collab Stakeholders' Workshop

As a learning organization building solutions in the health sector, DSN participated in a workshop of stakeholders who are custodians of various datasets.

The discussion was centered around the barriers and opportunities in the vaccine data health system in Nigeria. This virtual event was organized by Vaccine Data Colab (VDCL), in partnership with DevAfrique. The focus was on three problem statements: making data accessible and coordinated; making data actionable; and making data unified and not siloed.

DSN's contribution to the Nigerian health ecosystem included crowdsourcing a geocoded dataset at a hyperlocal level and translating them into insights that are valuable in healthcare service delivery, especially those that are particularly significant to the Nigerian terrain.



**Better Futures Colab. Vaccine Data**

**Hyperlocal data for better targeted behaviour change interventions for vaccine uptake**

USAID Dev-Afrique BRIN Data.FI DT Global UKaid

**Hyperlocal (geospatial) data is key to micro targeting**

**Case study: Geospatial Analysis for vaccine hesitancy with Fraym in Nigeria**

**WHO is vaccine hesitant and WHY**

- What demographics are most hesitant?
- Is it hesitancy, access, or both?

**WHERE hesitant individuals are located**

- What barriers or opportunities to vaccine access that may need to be coordinated with messaging?
- How can we decrease hesitancy?
- What communication medium will be most effective for which groups?

**Enabling systems change**

WHO 7 Strategic Pathways to support implementation and sustainability at country level

**Vaccine Data Health System**

- Partnerships & Collaboration**: How are we building a culture of inclusion, partnerships and strategic alliances to build health data systems?
- Leadership & Communication**: How are we raising awareness and engagement to ensure participation and contribution from all stakeholders at all levels?
- Capacity**: What are the gaps in knowledge, skills and competences and that we need to strengthen?
- Interoperability & Data Management**: What is the data supply chain and the processes for establishing, maintaining and updating data?
- Financial Sustainability**: How are interventions being funded and supported?
- Platform & Innovation**: How are new technologies tested, documented and utilised?
- Governance & Ethics**: What is the government stance, political will and policy framework?

World Health Organization

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**Organisational Governance, Internal  
Talent Development and Deepening  
Organization Culture for Sustainable Growth**



# Celebrating DSN Former Advisory Board Chairman

It was with great pleasure that we celebrated Dr. Uyi Stewart for his selfless service and exceptional dedication as Chairman of the Advisory Board for the past six years. In a momentous event held at our AI Hub in Yaba, Lagos, we paid tribute to Dr. Stewart, recognizing his invaluable efforts in laying the foundation for the organization's success.

As Chairman of the Advisory Board, Dr. Stewart has been a guiding force, shaping the trajectory of our organization and establishing it as a trailblazer in the AI landscape of Africa. His visionary leadership and unwavering commitment have been instrumental in driving the organization's growth and influence.

As we look toward the future, we remain committed to building upon the strong foundation laid by Dr. Stewart. His relentless pursuit of excellence will continue to inspire our endeavors as we strive to further advance the field of AI in Africa.

It was with great pleasure that we celebrated and honored the remarkable contributions of our former advisory board chairman and visionary leader, Dr. Stewart. As he stepped down from his role, we reflected on his invaluable guidance and leadership and how he





played a vital role in shaping the company's success. We also wished him the very best in his endeavors.

DSN honored Dr. Uyi Stewart for six years of exemplary leadership as Chairman of the Advisory Board.



# Appointment of New Advisory Board Chairman

With great pleasure and excitement, we announced the appointment of our new advisory board chairman, Kirk Borne. We are thrilled to have him on board and look forward to the exceptional leadership and expertise he will bring to DSN.

He is an award-winning and top global influencer in Data Science, AI, Machine Learning, and a former professor of astrophysics and computational science with outstanding achievements.

As our new advisory board chairman, Kirk Borne will play a pivotal role in shaping DSN's strategic direction, fostering innovation and ensuring we remain at the forefront of our industry.

We are confident that his appointment will bring fresh perspectives and inspire innovative thinking, guidance, and insights that will prove invaluable as we continue to drive DSN forward.





# DSN Interns Recruitment

Nine interns were onboarded, learning how hands-on research and project participation are carried out and how to play at the highest global level in Artificial Intelligence applications for social impact.



Internship opportunities at DSN provide interns with skill development, practical experience, networking opportunities, personal growth, and a platform to share their insights and knowledge.

# Appointment of Community Champion for DSN Francophone Community

In the last few months, DSN expansion has experienced a surge in the Francophone countries. For effective engagement and support of this growing community, Amel Laidi has been appointed as the manager of the Francophone community within DSN. As the current lead of DSN Mostagame in Algeria, she brings valuable expertise to

the role with the objectives to enhance engagement among Francophone community members, collaborating with other DSN chapters, and addressing specific challenges faced by the community. Amel's appointment demonstrates the organization's commitment to inclusivity and support for diverse communities within the DSN.

# Technical Open House Session on Writing a World-Class Academic Paper

To support our ongoing research endeavors, we organized a dedicated session for DSN staff focused on enhancing their skills in writing professional research paper abstracts using the CRADIS framework:

**C - Contextual Introduction:** Providing a brief background and setting the context for the research.

**R - Research Rationale and Significance:** Explaining the reasons behind the study and its relevance in the field.

**A - Approach:** Describing the methodology or approach employed in conducting the research.

**D - Discoveries, Findings, Research Outcomes, or Methodological Improvements:** Highlighting the

key discoveries, findings, outcomes, or improvements resulting from the research.

**I - Implication:** Discussing the implications of the research findings and their potential impact.

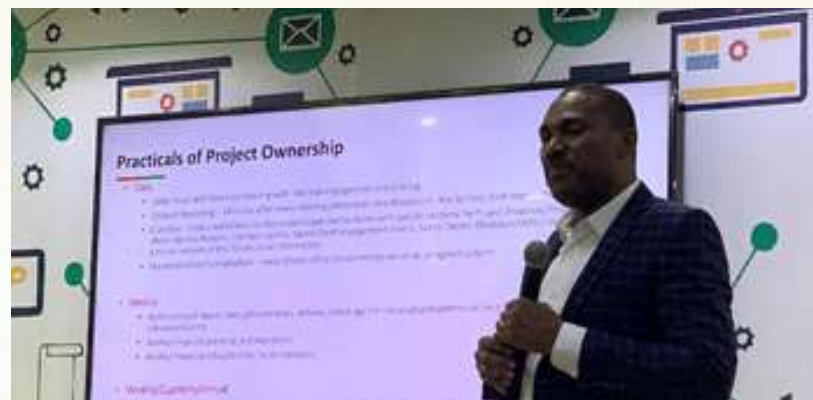
**S - Significance:** Emphasizing the significance of research in the broader context of the field.

# DSN Project Management 101 Internal Training

As part of our continuous commitment to enhancing professional growth and organizational effectiveness, we organized an internal training on project management for all staff members.

This training initiative was aimed to equip all members of staff with the essential skills and knowledge necessary to successfully plan, execute, and deliver projects within the organization.

The trainer, Dr. Olubayo Adeganmbi, encouraged all members of staff to improve their communication and collaboration skills among the team members involved in any project, going the extra mile on a project in order to derive an excellent result, and what a project owner must have control of during the project.





# 2022 End Of The Year Team Bonding Activities

We rounded the year on a big bang as the team experienced a fun, three-day immersive session ranging from collaborative learning and business review for 2023 strategic planning. We are more confident than ever and will continue making meaningful bets to advance our AI solutions.





# February 14 Valentine's Celebration

We had a nice time on February 14 celebrating Valentine's Day. It was an avenue for us to show love as it was tagged selflessness day, a day to show love and go the extra mile for other staff and the organization.



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**AI Clubs Communities and Campuses**

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# AI Clubs Communities and Campuses

At DSN our AI club and city communities remain the core of our existence and success. We have expanded and experienced rapid growth in capacity from 60 to over 100 communities that are actively learning through organized training, research, project participations and meetups.

Another key highlight of the year for us is our penetration to the Francophone countries as part of our aim to democratize the knowledge of AI without language barriers.

## Unique Things done by Our Communities.

Our local communities exemplify our fundamental belief in innovation, which is evident in the remarkable endeavors we undertake to make AI knowledge accessible and empower community members pursuing careers in data.

Other than exploring chat-tutorials which is a novel method through which DSN communities keep learning and growing. We have mastered the use of Twitter spaces, LinkedIn, Telegram, Slack, Discord and learning on platforms like DataCamp to run text, audio and video tutorials on data science topics and projects.

Our community members have also achieved great feats, from participating in both local and international conferences where they have presented posters, many have built and deploy Machine Learning projects and write numerous technical articles as well as qualify for many learning and support opportunities.

Some of these unique things done by the community members are listed below:

Poster presentation:

Abdulhameed Dere: Machine Learning in Diagnosis of Mental Illness- A study of University of Ilorin Medical Students

Link: [https://storage.googleapis.com/indaba-public/Abdulhameed\\_Dere\\_5438\\_poster.pdf](https://storage.googleapis.com/indaba-public/Abdulhameed_Dere_5438_poster.pdf)

Project:

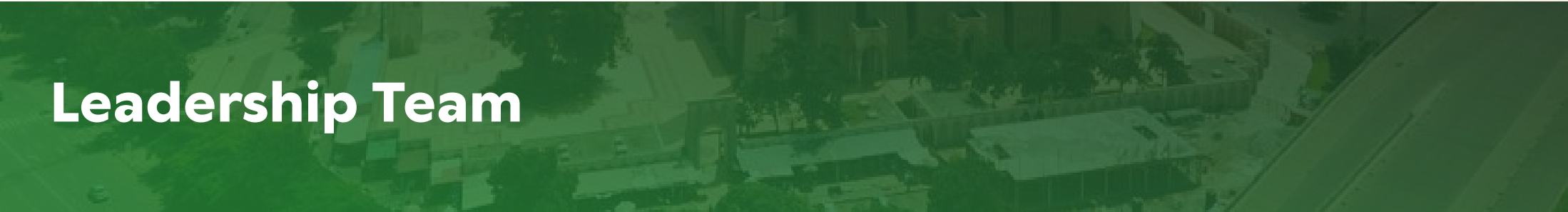
Shittu Samson built a library called MultiTrain

MultiTrain is a library that allows you to train multiple machine learning models on a dataset at once to quickly evaluate their performance and determine the best model to use

Link: <https://github.com/LOVE-DOCTOR/MultiTrain>

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**Leadership Team**

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# Advisory Board Members

**Dr. Kirk Borne - Chairman**

Chief Science officer at DataPrime, Ince., USA  
Principal Data Scientist at Booz Allen Hamilton, USA.

**Prof. Olayinka David - West**

Director and fellow, Information System,  
Lagos Business School, Lagos, Nigeria

**Dr. Stephen Odaibo**

Founder, CEO, and Chief Software Architect  
of Retina-AI, Houston, USA

**Dr. Victor Odumuyiwa**

Acting Director, Centre for Information  
Technology University of Lagos, Lagos, Nigeria

**Dr. Amina Sambo - Magaji**

National Coordinator, Office for ICT  
Innovation and Entrepreneurship (OIIE),  
Nigeria.

**Ngozi Dozie**

Director Carbon/ OneFi, Nigeria

**Dr. Jacques Ludik**

Founder of MIIA (President) & CEO,  
Cortex Logic Cape Town, South Africa

**Dr. Elaine Nsoesie**

Boston University, USA

**Dr. Eric Sodomka**

Facebook, London, United Kingdom

**Prof Delmiro Fernandez - Reyes**

University College London, United Kingdom

**Shingai Manjengwa**

Founder, Fireside Analytics, Canada

**Fredrick Lester**

Chief Data Strategist/Analytics Executive  
Rutgers University  
Big Data Advisory Board Member & Chief  
Data Strategist/Analytics Exec.,  
Ulwazi Analytics International, Inc, USA

**Alexander Tsado**

Nvidia USA and Alliance for AI, USA

**Uzo Mkparu**

Assistant Vice President/Group head, CRM,  
Analytics & Insights First City Monument  
Bank Limited

**Prof. Sahalu Junaid**

Director of Institute of Computing and ICT,  
Head of Department Computer Science  
Ahmadu Bello University Zaria, Nigeria



# Staff and Consultants

Dr Olubayo Adekanmbi

Toyin Adekanmbi

Chimaoge Esotu

Ajiola Enoch Oluwabukunmi

Chinazo Anabelundu

Akanji Olubukola David

Temitola Olaitan Ajekiigbe

Aanu Joseph Oyeniran

Mayowa Michael Sholola

Babatunde Temitope

Uche Edwin

Oluwaseun Nifemi

Jeremiah Oyelere

Kehinde Gbenga Olatoye

Anthony Chukwuebuka Soronnadi

Tobiloba Oyeniran

Odugbemi Segun

Oladele Abel

Tejumola Asanloko

Adeyemi Shobowale

Dennis Ufuoma Ebbah

Lawal Olanrewaju Israel

Toyib Ogunremi

Rashidat Shikiru

Emmanuel Ngele

Serah Peter-Adeoye

Ransomed Ariyo

Ololade Anjuwon

Pleasant Odebode

Mariam Adeyemo

Patricia Idakwo

Muyiwa Oni

# Community Champions

Campus- DSN AAUA  
 Campus-DSN AAU  
 Campus-DSN ABU  
 Campus-DSN Adamawapoly  
 Campus-DSN ATBU  
 Campus-DSN BABCOCK  
 Campus-DSN BELLS  
 Campus-DSN BOWEN  
 Campus-DSN BSU (Uganda)  
 Campus-DSN BUK  
 Campus-DSN COVENANT  
 Campus-DSN EKSU  
 Campus-DSN ESUT  
 Campus-DSN FULokoja  
 Campus-DSN FUNAAB  
 Campus-DSN FUOYE  
 Campus-DSN FUPRE  
 Campus-DSN FUTA  
 Campus-DSN FUTMinna  
 Campus-DSN Gateway  
 Polytechnic  
 Campus-DSN IAI (Togo)  
 Campus-DSN IlaroPoly  
 Campus-DSN Landmark  
 University

Samuel Akinnuoye  
 Grace Alele  
 Adejumo Ridwan Suleiman  
 Abdulganiyu  
 Muhammad Adamu Dembo  
 Oluwatosin Olajide  
 Anjuwon Ololade  
 Yusuf Oladele  
 Ninsiima Doreen  
 Abba jibril  
 Sobande Teniola  
 Praise Olawoore  
 Jewel Uguru  
 Abdulsamod Azeez  
 Busayo Awobade  
 OLUWASEUN ALAGBE  
 Ituah Jason Momoh  
 Omotosho Olalekan  
 Waliulahi Ayomide Olabiwoninu  
  
 Mubar Dauda  
 BOUAB Bligni Touafic  
 Esther Odunayo Oduntan  
  
 Wonder-David Efe

Campus-DSN LASU  
 Campus-DSN Lead City UNI  
 Campus-DSN MOUAU  
 Campus-DSN OAU  
 Campus-DSN OAUSTECH  
 Campus-DSN OOU  
 Campus-DSN Summit  
 University  
 Campus-DSN UI  
 Campus-DSN UJKZ  
 Ouagadougou  
 Campus-DSN UNIBEN  
 Campus-DSN UNILAG  
 Campus-DSN UNILORIN  
 Campus-DSN UNIPORT  
 Campus-DSN Unizik  
 Campus-DSN UNN  
 City-DSN Abeokuta  
 City-DSN Abraka  
 City-DSN Abuja  
 City-DSN Addis Ababa  
 City-DSN Ado-Ekiti  
 City-DSN Akure  
 City-DSN Akwanga  
 City-DSN Asaba

Muhammed  
 Adebayo Damilola Moses  
 Ebeh Elisha Chidera  
 Paul Okewunmi  
 Ibrahim Ogunbiyi  
 Sakinat Oluwabukonla Folorunso  
  
 Ayinla Ridwan Olayiwola  
 Alexander Ifenaiké  
  
 Hamed Joseph OUILY  
 Daniel Akhabue  
 Eniola Olaleye  
 Oluwapelumi Titilope Ogunremu  
 Jacia Ebubechi  
 Awopeju kabiru Abidemi  
 Ibekwe Kingsley  
 Oluwadara Adepoju  
 JohnPaul Hampo  
 Gabriel Will  
 Amhagebriel Degu  
 Bakare Kolade Emmanuel  
 Damilola Olaseinde  
 Lucky Babuje Sule  
 Destiny Mudiaga Etinagbedia

City-DSN Bamako  
 City-DSN Bauchi  
 City-DSN Benin  
 City-DSN Benin Republic  
 City-DSN Birnin Kebbi  
 City-DSN Bradford  
 City-DSN Calabar  
 City-DSN Dutse  
 City-DSN Egbe  
 City-DSN Enugu  
 City-DSN Gombe  
 City-DSN Gwagwalada  
 City-DSN Hull (UK)  
 City-DSN Ibadan  
 City-DSN Ijebu-Ode  
 City-DSN Ile-Ife  
 City-DSN Ilorin  
 City-DSN Iseyin  
 City-DSN Jibia  
 City-DSN Jos  
 City-DSN Kaduna  
 City-DSN Kampala (Uganda)  
 City-DSN Kankia  
 City-DSN Kastina  
 City-DSN Keffi  
 City-DSN Kontagora  
 City-DSN Lekki-Ajah  
 City-DSN Lokoja

Bourama Fane  
 Awwal Dahiru  
 Adbeel Omiunu  
 Ariane Houetohossou  
 Daniel Dolapo Orunnaiye  
 Sebastian Obeta  
 Psalms Ekpenyong Inyang  
 SALISU IBRAHIM  
 Afolayan Stephen Oluwayomi  
 Okorie Oluchukwu C  
 Bashir Hassan  
 Jeffrey Akhidenor  
 Olawale Ogundeji  
 Abass Olaiya Ayotunde  
 Akinyiga Obadamilare Dunmininu  
 Timilehin Oladejo  
 Adejumoke Ayomide Adeyeye  
 Gbadegesin O. Muhammed  
 Mukhtar Yusuf Galadinchi  
 Samuel Fadunsin  
 Peter Okwukogu  
 Andrew Tugume  
 Muhammad Bala Kado  
 Saminu Shomgwan Ishaya  
 Auwal Jamilu Abdulsalam  
 Oluwaseun Isaac Kolawole  
 Olusegun Adelowo  
 Gabriel Yashim

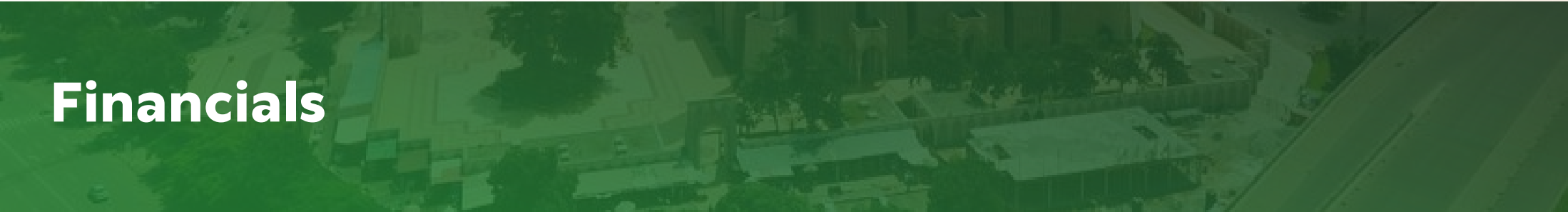
City-DSN Magboro  
 City-DSN Maiduguri  
 City-DSN Maritime Togo  
 City-DSN Marrakech Morocco  
 City-DSN Mostaganem  
 City-DSN Nairobi (Kenya)  
 City-DSN Offa  
 City-DSN Ogbomoso  
 City-DSN Ondo  
 City-DSN Osogbo  
 City-DSN Ota  
 City-DSN Owerri  
 City-DSN Port Harcourt  
 City-DSN Sokoto  
 City-DSN Somolu  
 City-DSN Uyo  
 City-DSN Yola  
 City-DSN Zaria  
 Campus-DSN LBS  
 Campus-DSN PAU  
 City-DSN Maradi (Niger)  
 Campus-DSN IAI (Togo)  
 Campus-DSN UJKZ Ouagadougou

Grace Falabi  
 Iliyas ibrahim iliyas  
 Wachiou BOURAÏMA  
 Moad  
 Amel LAIDI  
 Reuben Mwangi  
 Abdulhameed Dere  
 Olawale Micheal Juwon  
 Nicholas Omo-Udoh  
 Esther Adefunmike Oyarinde  
 OLAJIDE DADA  
 Praise Ekeopara  
 Amarachi Ugagbe  
 Marcel Obinna  
 Gabriel Olatunji  
 James Sandy  
 Munniru Abdulhamid  
 Ahmed Muhammed  
 Agnilonda PAKOU  
 Mercy Abraham  
 Yusee Habibu  
 BOUAB Bligni Touafic  
 Hamed Joseph OUILY



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**Financials**

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Total Income Resources (FY 2022/23)		
	Amounts	
Inflow	NGN	USD
Grants and Project Finance	280,978,591.50	601,495.02
Others Income	10,962,212	14,424
Interest Earned	27,159.08	36.02
<b>Total Income Resources</b>	<b>291,967,962.18</b>	<b>615,955.00</b>

Clients, Donors and Sponsors (FY 2022/23)		
Name	Amounts	
	NGN	USD
TikTok Online Safety and Digital Wellness	15,645,000.00	35,000.00
Meta/Facebook Geospatial AI for Social Good Project	31,150,000.00	70,000.00
Tony Blair Institute AI Policy Project (Receivable)	15,208,897.50	19,777.50
AI Innovations for Family Planning - Tulane University School of Public Health and Tropical Medicine, USA	151,064,244.00	329,116.00
Geospatial data/tools/tech for RMNCHN from Pathfinder International	42,630,500.00	92,675.00
Microsoft National Skill Intervention Program - Microsoft Responsible AI Workshop	24,865,950.00	53,939.15
Donation - Victor Eromosele Irekponor	314,000.00	754.81
Donation - Oyewusi Wuraola Fisayo for the Top 20 Ladies at the DSN Bootcamp 2022	100,000.00	232.56
Revenue from Training/Other Income	10,962,211.60	14,423.96
<b>Total</b>	<b>291,940,803.10</b>	<b>615,918.98</b>



## Expenses (FY 2022/23)

Expense Category	Amounts	
	NGN	USD
Staff Welfare	520,000.00	689.66
Office Security Expenses	2,097,600.00	2,781.96
Local Travel-Staff	3,254,845.00	4,316.77
International Travel-Staff	8,220,133.67	10,902.03
Payroll Expenses	7,849,943.03	10,411.07
Contract Staff	89,593,663.88	118,824.49
Branding and Publicity	4,616,898.07	6,123.21
General and Administrative Expenses	4,256,258.85	5,644.91
Repairs and Maintenance	1,067,530.00	1,415.82
Electricity Bill	920,000.00	1,220.16
Rent	3,750,000.00	4,973.47
Telephone- Communication	626,870.00	831.39
Bank charges	700,689.07	929.30
Legal and professional fees	2,447,187.50	3,245.61
Event Expenses	10,288,041.49	13,644.62
Sundry Office Expenses	746,775.00	990.42
printing and Stationery	111,100.00	147.35
Platform Subscription	22,801,115.34	30,240.21

## Total Income Resources

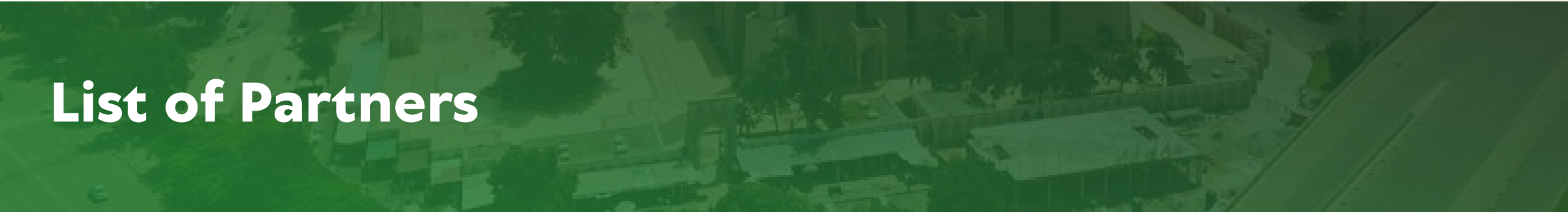
Expense Category	Amounts	
	NGN	USD
Hotel and Accommodation (Travel)	916,707.44	1,215.79
Logistics and Transportation (Non Travel)	891,857.75	1,182.84
Award Expenses	1,024,494.72	1,358.75
Software & Application Development	68,600.00	90.98
Health Management Organisation - Staff	258,375.00	342.67
Project Equipments	1,039,500.00	1,378.65
Allowance	1,662,251.89	2,204.58
Video Coverage, Photograph & Interview	192,000.00	254.64
Contract/ Consultancy	12,209,504.80	16,192.98
Training Expenses	576,297.38	764.32
Audit Fee	250,000.00	331.56
Insurance expenses	994,612.61	1,319.11
Fuel (Diesel & Petrol)	1,470,000.00	1,949.60
Gift /Donation Expenses	46,594,945.80	61,797.01
ITF, NSITF, Pencom Expenses	116,122.50	154.01
Studio, Voice Over Recording	602,500.00	799.07
Membership Subscription	362,000.00	480.11
Depreciation	22,518,792.00	29,865.77

**255,617,212.79**

**185,954.46**

annual  
report  
2022-2023

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**List of Partners**

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2022-2023

## Partner with Us

Data Science Nigeria (DSN) is continuously looking for strategic partnerships and engagement opportunities to bring us closer to our goals. Here are key reasons to consider partnering with us:

- Our vision and core values are focused on leveraging AI/data science for socio-economic development in Nigeria and the wider African context.
- DSN is a deeply-rooted local partner in Nigeria and Africa, with an extensive relationship in academia, the private sector and government institutes.
- DSN is the driving force for promoting data science and its convergence with AI in Nigeria and Africa.
- DSN already has well-established and successful programs that can be customized to undertake the proposed activities and accomplish the organization's objectives.

Email: [toyin@datasciencenigeria.ai](mailto:toyin@datasciencenigeria.ai)



# Organizations Partner

ARCGIS

AXA Mansard

Bill & Melinda Gates Foundation

Black in AI

BusinessDay

Co-Creation Hub

Data.org

Datacamp

Deep Learning Indaba

First City Monument Bank

Flowminder.Org

God's Pride Consulting

Google

Main one

Microsoft

Microsoft 4 Afrika

Mind the Gap

Nigerian Exchange Group

Nvidia Corporation

Opolo Global

Proshare

Techquest

TikTok

VODAN Africa

Zindi

Punch

Silverbird TV

Tech Cabal

Technext

# Speakers at our Event

David Akanji  
Gbemileke Onilude  
Warrie Warrie  
Oseghale Ehizokhale Patrick  
Oriji Sandra Onyinyechi  
Odukayo Adedayo  
Bilikisu Wunmi Olatunji  
Daniel Ajisafe  
David Abu  
Lawrence Okegbemi  
Adeyemi Paul  
Sebastian Obeta  
Moshood Yahaya  
Michael Nwaju  
Anthony Soronnadi  
Amulya Vishwanath  
Ahmed Oyelowo  
Edward Olayemi  
Mrs. Olayinka Ojo  
Olanrewaju Oyinbooke

Dr. Bayo Adekanmbi  
Oluwatoyin Ogunmola  
Jeniffer Oyelade  
Salami Ajoke  
Tejumade Afonja  
Chimaoge Esotu  
Temitope Oladokun  
Abisola Onibi  
Opetunde Adepoju  
Opeoluwa Iwashokun  
Winifred Kotin  
Foyin Olajide-Bello  
Dr Sakinat Folorusho  
Oluwaseun Nifemi  
Akshatha Kamath  
Oluwaseun Nifemi  
Wuraola Oyewusi  
Henry Ogundolire  
Uche Edwin  
Aanu Oyeniran

Wei Xiao  
Fatima Tambajang  
Vaibhav Srivastav  
Tobi Olatunji  
Wei Xiao  
Oluwaseun Nifemi  
Olaleye Eniola  
Gideon George  
Odeajo Isreal  
Raheem Nasirudeen  
Tejumola Asanloko  
Abraham Owodunni  
Tobi Olatunji  
Amel Laidi  
Soufiane Hourri

# AI in Every City Partners/Hub

o2 Innovations Lab  
Babcock University  
Binhussain Technologies and Consultancy  
BOWEN UNIVERSITY  
Center of Innovation and  
Development(C.I.D.E.V))  
Covenant university  
Edtech Centre of Excellence  
Emmanuel Anglican Secondary School  
Faculty Of Science Twin Hall, Ekiti State  
University  
Federal University of Technology, Owerri  
Foundation for Sustainability Science in  
Africa  
ICIN LEARNING CENTER JOS

Living Faith Church  
Nitda IT HUB, ABU  
Nithub, University of Lagos  
Opolo Innovation Hub  
SQL Coding School  
THE FEDERAL POLYTECHNIC ILARO, OGUN  
STATE, COMPUTER SCIENCE  
The Polytechnic, Ibadan  
Ummatore Digital Technology And  
Innovation Drive  
Univeristy of Ilorin  
Villax Data Science Hub  
Western Youth Hub  
YALI Network



## Tutors/Volunteers









Odunuga Julius Olusola  
Ezerioha Ifeanyi Emmanuel  
Falabi Opuere Grace  
Oluwafemi Abiona  
Somanya Caleb Iheanyi  
Okorie, Oluchukwu C  
Umar Faruq Zubairu  
Israel Olatunji Tijani  
Nuruddeen Sambo  
Treasure Abiodun-Onajobi  
Praise Olawoore  
Oladele Yusuf  
Opeyemi Bashirudeen Opeyemi  
Olaoluwa Idowu  
Oduyebo Oluwatobi Victor  
Mukhtar  
Sulaiman Mohammed

## Mentors

Oluwaseun Abel Ofinni  
Abideen Muhammed  
Jyotika Singh  
Ezinne V.C Onwuekwe  
Sebastian Obeta  
Moshood Yahaya



## CONNECT WITH US

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