Nigerian AI Repository

Luminate

# Nigeria Artificial Intelligience Industry Collective

## NIGERIA AI COLLECTIVE COMMUNITY MONTHLY DIGEST

**MONTH ENDING AUGUST 2025**

*This Month's Highlights:*

- Honourable Minister Bosun Tijani Featured in TIME's Prestigious AI Influence List
- TRCN and GMIND AI Launch Nation-wide AI Learning Platform to Revolutionise Nigerian Classrooms
- Google & GOMYCODE Launch "Build with AI" Training for Nigerian Developers
- OpenAI launches GPT-5,
- Stanford Unveils AI 'Virtual Scientist' to Fast-Track Biomedical Breakthroughs
- Record-Breaking Compact AI Models Released by Buzzy AI's Multiverse
- Zhipu AI Unveils Open-Source GLM-4.5 Mode

## Honourable Minister Bosun Tijani Featured in TIME's Prestigious AI Influence List

The Minister of Communications, Innovation and Digital Economy, Dr. Bosun Tijani, has recently been recognised by TIME Magazine as one of the world's most influential pioneers in artificial intelligence (AI) for 2025. This puts him alongside global tech leaders such as Elon Musk, Matthew Prince and Sam Altman, highlighting Nigeria's growing presence in the AI arena.

Dr. Tijani's leadership is driving bold initiatives like the 3 Million Technical Talent(3MTT) programme, which aims to equip millions of Nigerians with vital digital skills. These efforts are transforming Nigeria's technological landscape, making AI a central part of the country's growth strategy. Beyond talent development, Dr. Tijani is championing the expansion of Nigeria's digital infrastructure, including the rollout of an extensive fibre-optic network to improve connectivity across the country. He has also spearheaded the National AI Strategy, fostering responsible AI innovation tailored to Nigeria's unique challenges and opportunities in critical sectors like healthcare, agriculture, and education.

His recognition by TIME Magazine, coupled with his election as Vice Chair of the International Telecommunication Union Council, highlights both his leadership and Nigeria's rising stature in the global digital economy. Under his stewardship, Nigeria is rapidly positioning itself as a key player in AI innovation, setting the stage for future economic growth and technological advancement.

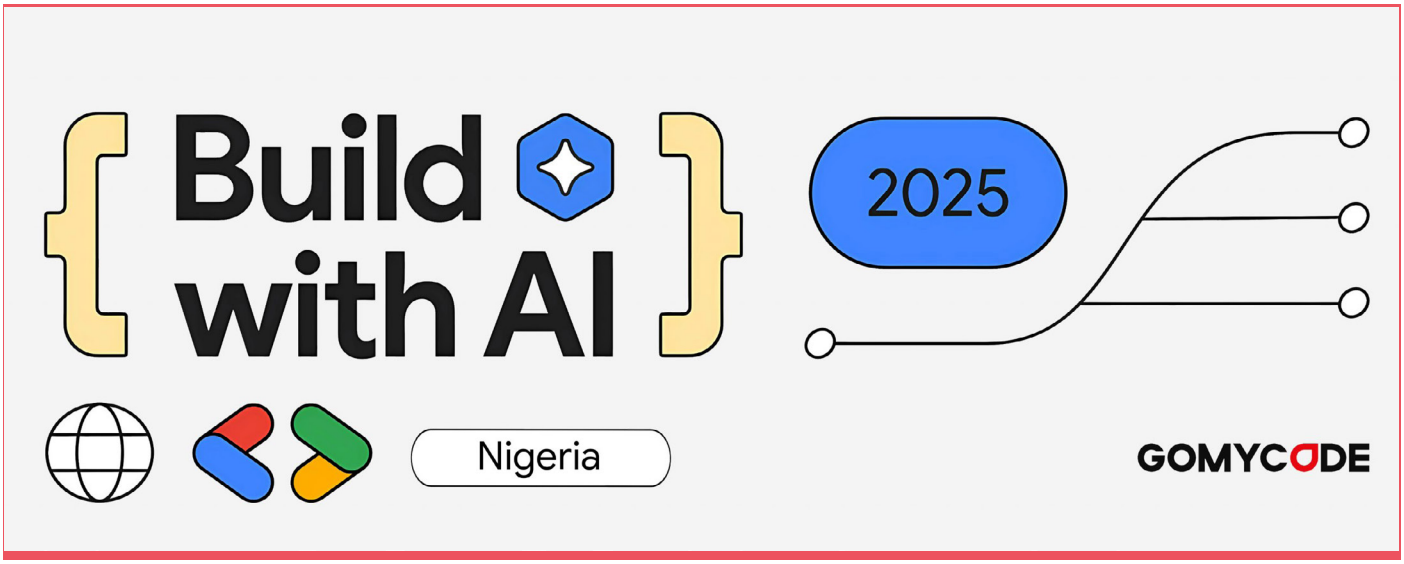
## TRCN and GMIND AI Launch Nationwide AI Learning Platform to Revolutionize Nigerian Classrooms

The Teachers Registration Council of Nigeria (TRCN), in collaboration with GMIND AI, has officially unveiled an AI-powered learning platform designed specifically for 1.5 million licenced educators across primary and secondary schools. This marks a pivotal moment in modernising Nigerian education by embedding artificial intelligence into routine classroom delivery.

The system provides AI-generated lesson plans, assessment tools, interactive simulations, and classroom engagement strategies all contextualised to reflect Nigeria's national curriculum, local history, and cultural nuances. Lessons are accessible both online and offline with downloadable packs tailored for teachers with limited ICT skills.

Equipped with AI-driven tools, teachers will be able to automate administrative processes, tailor lessons to individual learning needs, and foster higher levels of student engagement. The platform is scheduled for launch on 6 October 2025, with the unveiling of TRCN's new website on 25 August, featuring multilingual video guides. Training sessions will span all six geopolitical zones, with a gradual rollout expected to reach thousands of institutions within the next two years. The TRCN has emphasised that the project aligns with Nigeria's broader strategy to modernise education, preparing the next generation for a competitive, technology-driven world.


## Google & GOMYCODE Launch "Build with AI" Training for Nigerian Developers




In a major step forward for Nigeria's thriving technology ecosystem, Google has joined forces with GOMYCODE to launch the Build with AI training programme. This initiative is designed to upskill Nigerian developers through practical, hands-on experience with AI, unlocking new opportunities for innovation and career growth in the country's fast-expanding tech sector.

The programme offers immersive workshops, access to advanced AI tools, and mentorship from leading industry professionals. Participants will gain practical knowledge in AI model development, machine learning applications, and AI-powered solution design. Google and GOMYCODE's goal is to democratise access to AI education, equipping Nigerian talent to play a key role in Africa's AI revolution.

By empowering developers with cutting-edge skills, the initiative is poised to accelerate technological innovation, stimulate job creation, and position Nigeria as a leader in AI development across the continent.

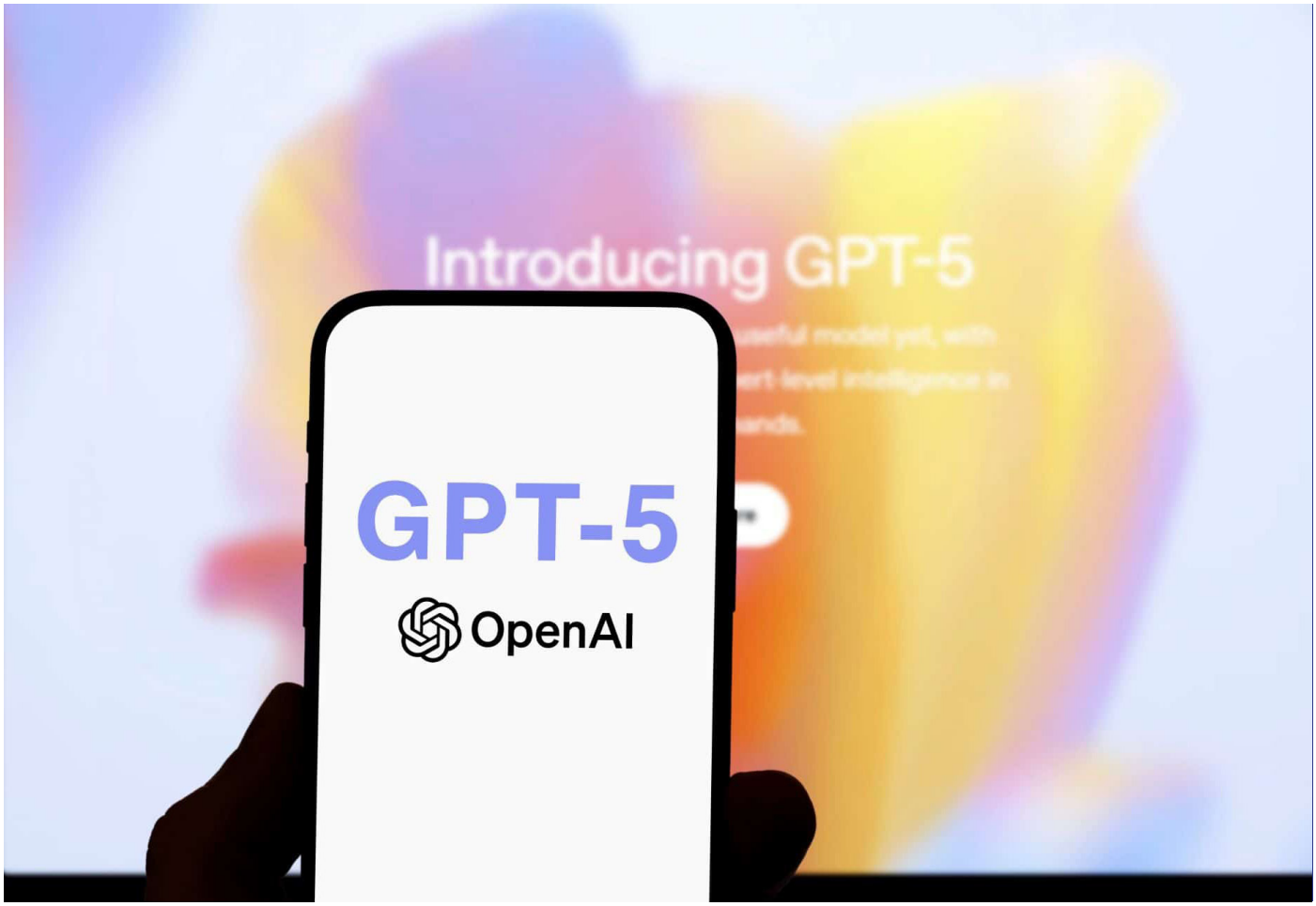
## OpenAI Launches GPT-5

OpenAI has officially released GPT-5, its most advanced large language model to date, representing a significant leap in the capabilities of conversational AI. Designed to deliver richer reasoning, deeper contextual understanding, and unprecedented creative output, GPT-5 builds on the foundation laid by previous models such as GPT-4, which set industry benchmarks for natural language processing.

What sets GPT-5 apart is its enhanced ability to process highly nuanced queries, sustaining complex multi-turn conversations without losing context which has been a challenge that has traditionally limited even the most sophisticated AI systems. Early adopters have highlighted its improved multilingual fluency, allowing seamless interaction in a wider range of languages, as well as its accuracy in technical and domain-specific tasks.

The model's potential applications span a wide spectrum: in education, it can act as a personal tutor capable of adapting to a learner's style; in business, it can automate high-value tasks such as generating detailed market analyses; in research, it can assist with literature reviews, hypothesis generation, and data interpretation.

For developers, GPT-5's updated API offers faster response times, more flexible fine-tuning options, and enhanced safety features to reduce harmful outputs. OpenAI has positioned GPT-5 as both a productivity multiplier and a creative partner, signalling a new era in which AI will play an increasingly central role in problem-solving and innovation.




## Stanford Unveils AI 'Virtual Scientist' to Fast-Track Biomedical Breakthroughs

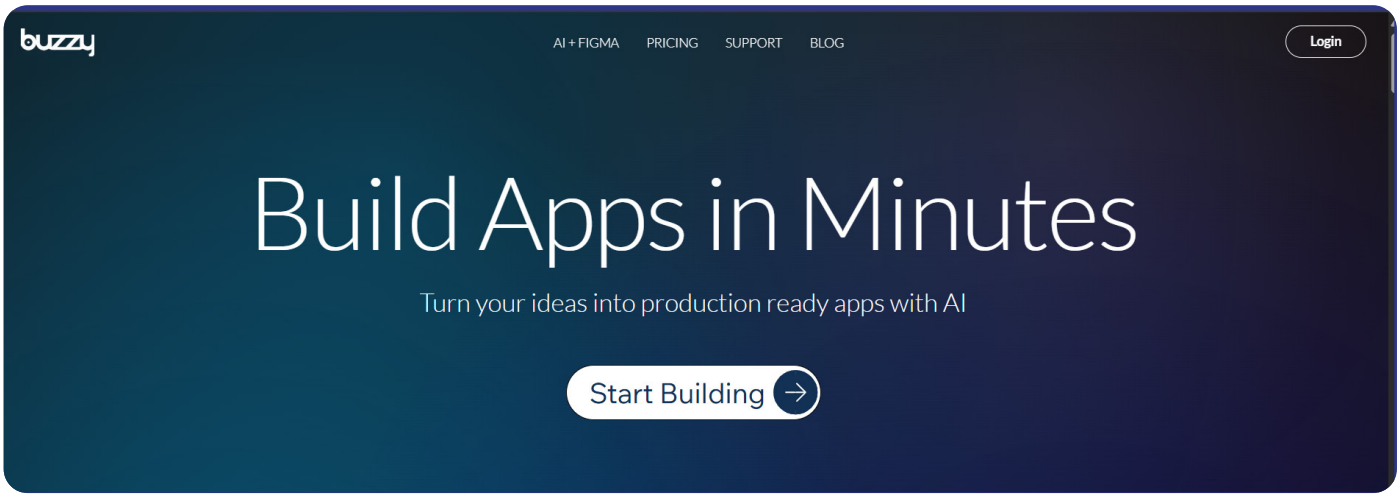
Stanford University has taken a bold step in accelerating biomedical innovation with the launch of its AI-powered 'Virtual Scientist'. This pioneering system is designed to replicate the workflow of an expert researcher, from conceiving hypotheses and designing experiments to interpreting complex data sets all at speeds impossible for human scientists to match.

The Virtual Scientist operates by ingesting vast amounts of biomedical literature, clinical trial data, and molecular information, then applying advanced reasoning to identify promising research directions. It can suggest experimental protocols, flag potential safety issues, and even predict likely outcomes, enabling researchers to focus their efforts where they are most likely to yield breakthroughs.

One of the most promising applications lies in drug discovery. The traditional development cycle for a new drug often takes over a decade and costs billions of dollars. With AI capable of narrowing down viable compounds in a fraction of the time, the process could be reduced to just a few years, unlocking treatments for diseases that currently lack viable therapies.

Stanford's research team believes the Virtual Scientist could also prove invaluable in pandemic response, enabling the rapid design and testing of vaccines during health emergencies. This technology, they argue, has the potential to reshape not only the pace but also the economics of global health innovation.

## Record-Breaking Compact AI Models Released by Buzzy AI's Multiverse

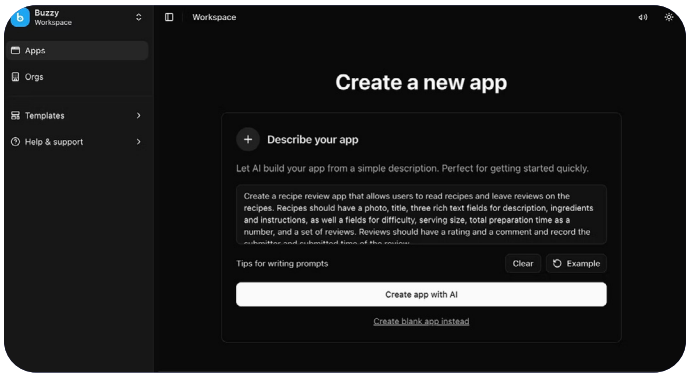


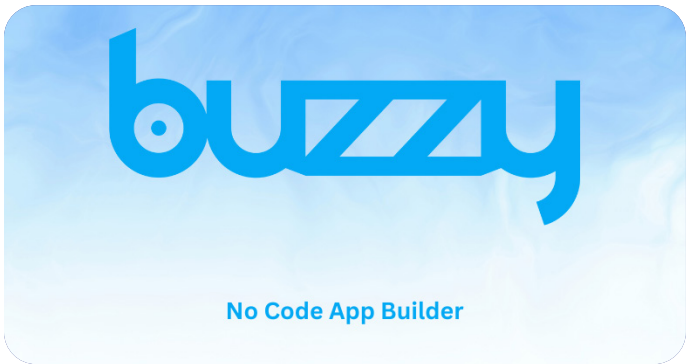

Buzzy AI's Multiverse team has announced a major milestone in AI accessibility with the release of two record-breaking compact models - SuperFly and ChickBrain designed to deliver high performance while dramatically reducing size and resource requirements.

SuperFly, a ~94M-parameter compressed version of the SmolLM2-135 model (likened to a fly's brain), is optimised for lightweight tasks such as voice-controlled interfaces and embedded systems. ChickBrain, a ~3.2B-parameter compressed variant of Llama 3.1 8B (comparable to a chicken's brain), is engineered for stronger reasoning and broader general-purpose use. In internal benchmarks, ChickBrain has even slightly outperformed the original Llama 3.1 8B on tests such as MMLU-Pro, Math 500, GSM8K, and GPQA Diamond demonstrating that model compression need not come at the cost of accuracy.

Both models run entirely on-device from smartphones to PCs and IoT hardware without requiring constant internet access. This opens transformative possibilities for privacy-sensitive environments and low-bandwidth regions. For African markets, including Nigeria, this could be a game-changer in sectors such as mobile healthcare diagnostics, local-language education apps, on-device fraud detection, and rural field operations where connectivity is unreliable.

By enabling powerful AI to run on affordable, resource-constrained devices, the Multiverse team is pushing AI adoption into new frontiers, ensuring that cutting-edge capabilities are no longer confined to those with high-end infrastructure.




## Zhipu AI Unveils Open-Source GLM 4.5 Model

A Chinese AI company Zhipu AI has released GLM 4.5, the latest version of its flagship large language model, under an open-source licence. The new model brings improvements in natural language understanding, computational efficiency, and multilingual coverage, making it an attractive option for developers and researchers worldwide.

By open-sourcing GLM 4.5, Zhipu AI is inviting a global community of technologists to adapt and build upon the model, fostering innovation that transcends geographic and institutional boundaries. Researchers can fine-tune the model for specific domains, from scientific research to creative writing, without the constraints of proprietary software.

The move aligns with a growing trend towards open-source AI development, where transparency and

collaboration are prioritised over exclusivity. In a field increasingly dominated by large corporate players, Zhipu AI's decision offers an alternative path one where cutting-edge AI can be openly examined, improved, and repurposed for the public good.

Industry analysts predict that GLM 4.5 could become a vital resource for smaller enterprises, startups, and academic institutions seeking to experiment with advanced AI capabilities without prohibitive licensing costs.



## Home-grown Research with Global Recognition

**Paper:** [NaijaNLP: A Survey of Nigerian Low-Resource Languages]
**Authors:** Isa Inuwa-Dutse

This is a comprehensive review of NLP efforts for Nigeria's three major low-resource languages Hausa, Yorùbá, and Igbo. It highlights that only ~25.1% of studies contribute new linguistic resources, pointing to a heavy reliance on repurposing data. The paper also identifies gaps, such as challenges with diacritics and resource quality, and calls for open collaboration and richer data creation to advance NLP for these languages.

This paper provides a systematic overview of over 70 scholarly works, evaluating them across multiple NLP tasks including tokenisation, part-of-speech tagging, named entity recognition, sentiment analysis, machine translation, and language modelling. Despite the growing interest in African languages within the global NLP community, the study finds that only 25.1% of projects involving these languages have contributed new resources; the majority instead repurpose or adapt existing datasets. This finding underlines a pressing need for original, culturally grounded linguistic resources.

The study highlights critical gaps and technical hurdles, such as the underrepresentation of diacritics, which significantly affects the accuracy of models trained on Yorùbá and Igbo texts. It also examines the scarcity of high-quality annotated corpora, limited tooling, and a heavy reliance on machine translation from English, which risks linguistic erasure and semantic dilution.

Beyond identifying limitations, NaijaNLP serves as a call to action, advocating for sustained investment in language-specific resource development, interdisciplinary collaboration, and the open sharing of datasets.

**Paper:** [Geo-Semantics Analysis Of Environmental Disasters In Nigeria Using National Print Media Data For Disaster Management]
**Authors:** Benedict Ajanaku, Rashidat Sikiru, Anthony Soronnadi, Ife Adebara, Olubayo Adekanmbi

This study presents a geo-semantic analysis of environmental disasters in Nigeria, using data sourced from national print media. By combining natural language processing (NLP) with geographic information systems (GIS), the researchers have developed a framework that extracts, analyses, and visualises disaster-related information to support more informed and proactive disaster management strategies.

The study leverages a corpus of Nigerian newspaper reports spanning several years, focusing on environmental disasters such as floods, oil spills, droughts, erosion, and wildfires. Using techniques like named entity recognition (NER), keyword extraction, and topic modelling, the research identifies patterns in disaster occurrences, severity, and public discourse, with geo-tagged data layered onto maps to show spatial distributions.

One of the key innovations of the study is its fusion of semantic analysis with geographical context. The result is a dynamic visual and analytical tool that not only highlights which regions are most affected but also how the media portrays and prioritises different types of disasters. This allows for a deeper understanding of both the physical and socio-political dimensions of environmental crises in Nigeria.

The findings reveal that while regions like the Niger Delta frequently appear in reports due to oil spills, the Middle Belt and Northern states are disproportionately affected by droughts and desertification issues that receive relatively less attention in national narratives. This imbalance, the authors argue, underscores the need for more equitable disaster reporting and resource allocation. By tapping into media as a real-time, narrative-rich data source, this work introduces a cost-effective and scalable approach to disaster tracking in resource-limited contexts.

## Opportunities and Events

An overview of upcoming events, available funding, proposal invitations, and other timely opportunities shared within the Community.

### AI4D Research: Socio-economic Impacts of Artificial Intelligence in Africa

This is a research-focused grant examining AI's impact on formal and informal employment, labour markets, productivity shifts, and risks of exclusion in Sub-Saharan Africa. Requirements include: Organisations registered in African LMIC countries, Research institutions, Universities, Think tanks, CSOs, Private sector and Organisations with strong presence and track record in Africa with a major focus on Sub-Saharan African contexts.

***Deadline – 17th September 2025***

### AI for SDGs — Global Youth AI Future Innovation Competition 2025

The UNU Global AI Network is pleased to launch the AI for SDGs — Global Youth AI Future Innovation Competition, an international science and technology innovation competition with the goals of empowering social innovation1, advancing youth development, and addressing sustainable development challenges through artificial intelligence (AI).

***Deadline – 15th September 2025***

### Startup SG Tech Grant Program

Applications are now open for Startup SG Tech, a competitive grant that supports Proof-of-Concept (POC) and Proof-of-Value (POV) for commercialisation of innovative technologies

***Deadline – Ongoing***

### 2025 IBM Call for Code Global Challenge for AI tech solutions

The IBM Call for Code Global Challenge 2025 invites developers, designers, and entrepreneurs worldwide to create innovative generative AI technology solutions aimed at addressing social and humanitarian issues exacerbated by climate change and global inequality. The challenge focuses on building fresh AI-powered solutions aligned with the United Nations Sustainable Development Goals. Teams of 1-5 people can compete in multiple hackathons throughout the year, working exclusively on new projects within each event. Winning projects receive cash prizes (grand prize up to $50,000 USD).

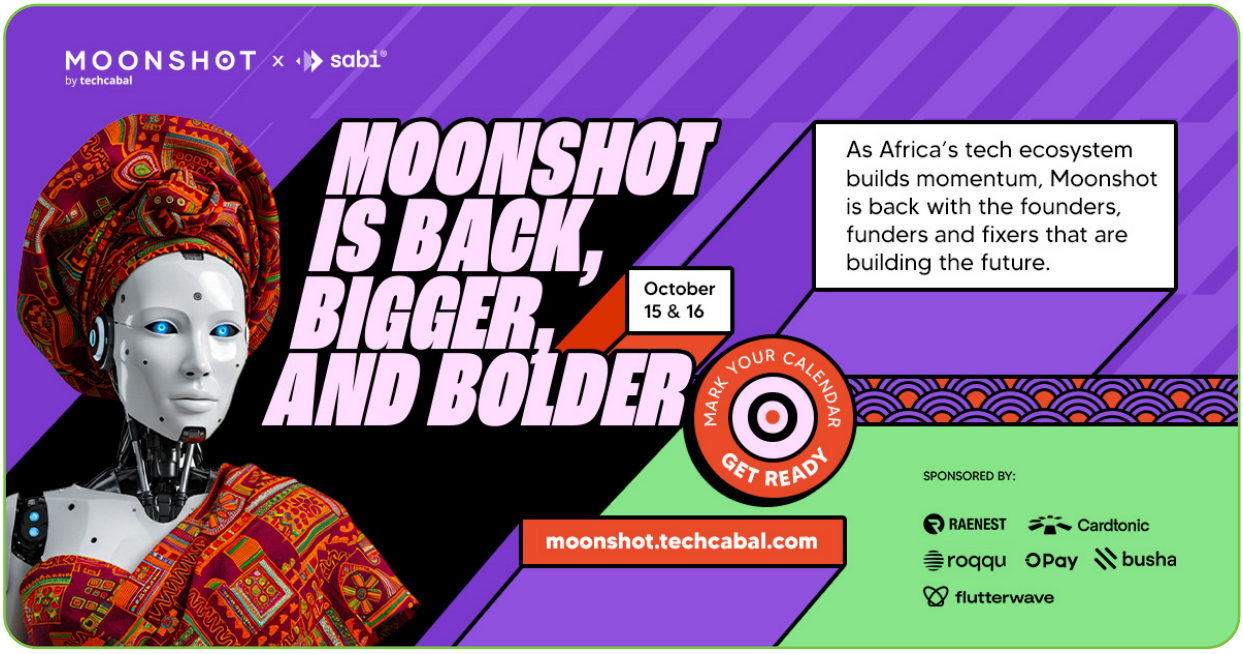
***Deadline – Ongoing***

### 4. AI in Health Africa Conference

**Date: 23 –24 September 2025**

**Location: Kampala, Uganda**

Organized by the Health AI for All Network and Makerere University, the second AI in Health Africa Conference will convene experts, policymakers, and innovators to explore AI solutions tailored to African healthcare systems. The event will focus on South-to-South collaboration, localization of AI technologies, integration of indigenous knowledge, and the role of generative AI in innovation and sustainability.




### 5. TechCabal Moonshot 2025

**Date: 15th October 2025**
**Location: Lagos, Nigeria**
Moonshot is the conference that brings together Africa's tech ecosystem in person to network, collaborate, share insights, and celebrate innovation on the continent.


### 6. MWC Kigali 2025

**Date: 15th October 2025**

**Location: Kigali, Rwanda**

The MWC Kigali event explores how mobile technology and digital solutions can address challenges and create opportunities in Africa, covering topics like 5G, FinTech, the digital economy, and health tech.

## Thought Leadership

**Dr Ronke Soyombo**

*(Registrar, Teachers Registration Council of Nigeria)*

Dr Soyombo spoke about the transformative power of AI in Nigerian classrooms:

"We want AI-generated lesson plans that are contextualised for our children. Every lesson will also be simulated, because 21st-century learners need to see and experience concepts for learning to be profound." (2025)

Read more: Punch News

**Dr Nneka Mobisso**

***(Co-Founder & CEO, mDoc Healthcare)***

Dr Mobisson spoke on AI integration in healthcare systems and community impact:

"The reality is that tools alone are not enough. We need a strong, multi-layered ecosystem. A digitally and AI-literate and supported health workforce, quality and cross-sector collaboration also rooted in trust that ensures that AI technologies actually reach the communities that they are meant to serve and propels them forward for the promise of a greater Nigeria and a greater Africa for generations to come" (2025)

Read more: Nigeria AI Collective Health Sectorial Webinar

## Introduction to Our 13-week packed Learning Series

Are you a visionary business leader or a forward-thinking decision-maker ready to steer your organisation into the AI-powered future? Welcome to our exclusive and immersive 13-week learning series, meticulously designed to demystify the world of artificial intelligence and equip you with the knowledge and strategies to drive innovation, efficiency, and growth.

It is a deep dive into the heart of AI innovation. On the learning content, we will explore a comprehensive curriculum that covers the foundational aspects of AI, its role in business growth, efficiency, governance, ethics, and much more. You'll gain invaluable insights and practical strategies to harness the power of AI, transforming your organisation and staying ahead in the competitive landscape.


### What You'll Gain:

**Strategic Insight:** Understand how AI can transform your business operations and strategic decision-making.
**Practical Knowledge:** Acquire the skills to implement AI solutions that drive efficiency and innovation.
**Competitive Edge:** Stay ahead of the curve by leveraging the latest AI technologies and trends.
**Confidence:** Equip yourself with the knowledge to lead your organisation confidently into the future.
**Comprehensive Understanding:** From AI governance and ethical considerations to its role in sustainability and social good, you'll gain a holistic view of AI's potential and challenges.

***Join Us on This Exciting Journey!***

*Don't miss out on this opportunity to be at the forefront of the AI revolution. Subscribe to our channel and hit the notification bell so you don't miss any updates.*
*Click the link below to access the complete playlist and embark on your learning journey:*

Nigerian AI Collective Learning Series

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