
JAMILU AUWALU ADAMU, FIMC, FIMS (UK), FAIPA, FICA, CMC, TML

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Professional Summary

Accomplished **Modeling Engineer, Data Scientist, and Advanced Artificial Neural Network Expert** with 15+ years' experience in AI, predictive analytics, and ethical technology innovation. Partner with **IBM** and **Toptal LLC (USA)**, leveraging global collaborations in AI, quantum computing, cybersecurity, and predictive modeling. Recognized by the **IPCC (UN/WMO)** as a nominated Scientific Expert contributing to the 2024 *Special Report on Climate Change and Cities*.

- **Inventor of TopneunetAI Models**, boosting predictive winning rate to + 90%, transforming climate action, finance, health, and investment sectors.
 - Internationally published researcher with **33 scholarly articles**, 121+ Google Scholar citations, and global editorial roles.
 - Award-winning innovator committed to advancing AI for **finance, climate resilience, education, and Shariah-compliant technologies**.
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Key Achievements:

- **Large Numerical Models (LNMs)**: Developed revolutionary LNMs with TopneunetAI achieving **+90% winning rates predictive accuracy**.
 - **TopneunetAI Algorithm**: Created advanced deep neural network algorithms solving activation function diversity dilemmas and bias mitigation.
 - **Climate & AI Leadership**: Nominated IPCC Scientific Expert by Nigeria's Focal Point (2024) for the UN/WMO Special Report.
 - **Editorial Roles**: Former Associate Editor, *Risk.net* (London), *Risk & Financial Management Journal*, and *Journal of Economics & Management Sciences* (California, USA).
 - **Awards**: Africa Institute of Public Administration Honorary Doctorate; Certificate of Excellence in Peer Reviewing (India, 2023); Career Excellence Award by Guild of Online Journalists.
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Academic & Professional Experience

Research Fellow II (Permanent)

National Mathematical Centre, Abuja, Nigeria

2010 – Present

- Lead research in **AI, stochastic modeling, predictive analytics, and activation functions**.
- Supervised AI projects and mentored junior researchers.

- Produced 33 international publications, contributing to cutting-edge AI applications in finance, climate, and education.

Assistant Lecturer (Permanent)

College of Arts, Science & Remedial Studies, Nigeria | 2009

Lecturer (Part-time)

University of Abuja & Nigerian Turkish Nile University, Nigeria | 2012

Founder

White Horse Risk Management Consult Ltd, Nigeria | 2014

Founder & Lead AI Researcher

TopneunetAI, Nigeria | 2022 – Present

Co-Founder

GovOptix-NG, Nigeria | 2025 – Present

Education

- **M.Sc. Financial Mathematics** – University of Abuja, Nigeria (2011) – GPA: >4.0/5.0
- **B.Sc. Pure Mathematics** – Bayero University, Kano (2006) – Upper Second Class, 4.09/5.00

Professional Memberships

- Fellow – Institute of Management Consultants (FIMC)
- Fellow – Institute of Management Specialists, UK (FIMS UK)
- Fellow – African Institute of Public Administration (FAIPA)
- Fellow – Institute of Credit Administration (FICA)
- Certified Management Consultant (CMC)
- Transformational Leader (TML)

Skills

- **Technical:** Data Science, Deep Neural Networks, Non-linear Activation Functions, Predictive Analytics, Prompt Engineering, Python, C++, Fortran, Power BI.
- **Specializations:** Ethical AI, Climate & Economic Forecasting, FinTech (Islamic finance), Quantum Computing, Cloud Security.
- **Languages:** English, Hausa.

Referees

1. Professor Promise Mebine – Director/CEO, National Mathematical Centre, FCT-Abuja, Nigeria
2. Dr. Haris Jaafar Bello – School of Mathematics Programme, National Mathematical Centre, Abuja
3. Mr. Usoroh Boniface Dickson – Federal Ministry of Education, Abuja, Nigeria