

MUSTAPHA M. SABO

Applied AI Engineer | Financial Intelligence Systems

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Professional Profile

MSc Artificial Intelligence candidate with a BSc in Computer Science and Information Technology and more than four years of professional experience across banking, financial services and education. Developing applied AI and data solutions for public-health monitoring, predictive maintenance and risk intelligence. Combines Python, machine-learning and database knowledge with practical experience in lending processes, customer behaviour, stakeholder communication and team leadership. Targeting Applied AI Engineer, AI Solutions Engineer and AI Technical Consultant opportunities in the UK technology market.

Education

MSc Artificial Intelligence , <i>University of Wolverhampton</i>	09/2025 – Present Wolverhampton, United Kingdom
BSc Computer Science and Information Technology , <i>Kampala University</i>	09/2015 – 03/2019 Kampala, Uganda

TECHNICAL AND DOMAIN CAPABILITIES

AI and Data Python, machine-learning fundamentals, data analysis, predictive analytics and model-evaluation concepts	Data Systems Relational database design, Node-RED, database fundamentals, Microsoft Excel and data preparation
Visualisation Power BI, Streamlit, dashboard design, executive KPI reporting and Jupyter Notebook	Methods Problem-solving, algorithmic thinking, requirements analysis and data-driven decision-making
Domain Knowledge Banking, lending and collections, customer risk, healthcare operations and stakeholder management	

SELECTED TECHNICAL PROJECTS

- National Disease Control and Command Centre (NDCCC),**
Aurion Health Intelligence | Prototype in Development
Node-RED, Dashboard Analytics and AI-Assisted Decision Support
- Developing a real-time public-health command dashboard covering disease outbreaks, hospital pressure, medicine availability, case investigation and emergency response.
 - Designed executive KPIs, early-warning alerts, geographic hotspot rankings, risk scoring and role-specific operational briefings.
 - Added AI-assisted outbreak summaries, resource-allocation recommendations and ministry briefing exports using demonstration data.

AI-Based Predictive Maintenance and Monitoring Dashboard, *Project Concept in Development*

Python, pandas, NumPy, scikit-learn, Streamlit, Power BI and Jupyter Notebook

- Designing an AI solution to identify equipment-maintenance needs and communicate operational risk within the Nigerian oil and gas sector.
- Defined a proposed workflow covering data preparation, predictive modelling, equipment-status monitoring and maintenance alerts.

Student Database Management System, *bachelor's degree Project*

Relational Database Design, Data Management and Query Logic

- Designed a structured database for storing, retrieving and maintaining student and academic information.
- Applied relational database principles and core create, read, update and delete operations to organise student records.

Node-RED Brewery Challenge, *Certificate of Completion*

i-UG Node-RED Education Course | University of Wolverhampton

- Completed the Node-RED education course and successfully addressed the Brewery Challenge through a structured practical exercise.

Professional Experience

Relationship Manager, *Sterling Bank NG*

01/2025 – 09/2025

- Managed client relationships by identifying needs, explaining financial options and coordinating appropriate support.
- Handled sensitive customer information responsibly and resolved concerns while maintaining professional service standards.

Bauchi, Nigeria

Collections Specialist, *FairMoney Microfinance Bank*

08/2024 – 01/2025

- Analysed customer circumstances and negotiated manageable payment solutions through telephone, email and in-person engagement.
- Maintained accurate account and interaction records, resolved disputes and supported new colleagues with procedures and best practices.

Abuja, Nigeria

Relationship Manager, *Unity Bank*

04/2022 – 08/2024

- Led a team of direct sales agents and supported customer acquisition, customer loyalty and branch sales initiatives.
- Identified customer preferences, maintained professional relationships and prepared loan applications for underwriting review.

Bauchi, Nigeria

Class Teacher, *Fabez Secondary School*

10/2020 – 04/2022

- Delivered structured teaching and individual guidance while collaborating with parents and colleagues to support student development.
- Created a safe learning environment and communicated complex information clearly to learners with different needs.

Bauchi, Nigeria

Additional Information

Professional Service: National Youth Service Corps (NYSC), *Niger State, Nigeria*

2019 – 2020