

BELLO, Malik Pelumi

Data Scientist and AI Engineer

A methodical, result-oriented, and resourceful data scientist with a strong background in various niches from science (physical, biological and health) to education, finance (marketing, insurance, tax and audit), real estate and cryptocurrency. Adept at leveraging strong command of modern technologies and the industry best practices for solving problems and enhancing decision-making. Known for adaptability, leadership, time management and the constant eagerness to contribute to team success in any context.

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 Nigeria

 [Tech Socials](#)

WORK EXPERIENCE

■ Data Scientist & AI Engineer

Wema Bank Plc, Nigeria

03/2025 -Present

- ✚ Executed deep exploratory analyses across diverse financial datasets to uncover patterns and performance drivers.
- ✚ Developed AI-powered RAG agents that accelerated data analysis and streamlined talent procurement workflows for HR and Legal teams.
- ✚ Trained machine-learning models for customer segmentation and predicted seasonal social-spending behaviours during December festive periods.
- ✚ Engineered an agentic AI system with federated knowledge-base access and automated tool-calling, including SQL generation and execution.
- ✚ Built automated ETL-to-EDA pipelines for API data and unstructured logs, saving millions of naira and significantly reducing manual processing time.

■ Data Analyst

ICT Directorate, Olabisi Onabanjo University

5/2024 - 2/2025

- ✚ Performed several general ETL processing on students' database using Excel, Microsoft Azure and on-prem MySQL server.
- ✚ Analysed reports of CBT examination schedules and attendances.
- ✚ Gleaned insights from sessional payment data.

■ Data Science Intern

3MTT Nigeria || The Founder's Hub Network

02/2024 - 12/2024

- ✚ Performed logistic regression to predict cancer using the Wisconsin Health Dataset.
- ✚ Conducted basic data preprocessing activities on the Titanic dataset.
- ✚ Built a fully functional machine learning app called ESAAM (Exploratory and Sensitivity Analysis App) based on a LightGBM model for predicting Multi-dimensional Poverty Index (MPI) and analysing the impact of a tech training on reducing MPI. [\[Report, Repo, Video\]](#)

■ Tax Analysis Intern

KPMG US Forage Tax Simulation

08/2024

- ✚ Conducted initial research and made tax recommendations for a project.
- ✚ Used Excel for data modelling and cleaning.
- ✚ Utilised the "IRAC" approach to provide the client with a research memorandum.

■ Data Analysis Intern

HNG Internship 11

07/2024 - 08/2024

- ✚ Designed a dimensional model for sales analysis in a car repair shop using SQL queries.
- ✚ Used key economic metrics to design a model for predicting productivity in Nigeria
- ✚ Used historical flood, weather and sea data to predict flood events.
- ✚ Adopted geospatial analysis to detect rigging outliers in Nigerian election data

■ Freelance Data & Research Analyst, Digital Marketer, and CopyWriter

01/2020 - 31/2024

- ✚ Scrapped thousands of online leads and feedbacks for decision-making.
- ✚ Developed linear and logistic models for clients from finance, healthcare and education.
- ✚ Designed various third party quasi-experimental studies.
- ✚ Developed dozens of landing pages, sales funnels and automations with sizeable ROI increase.
- ✚ Suggested efficient marketing strategies based on insights from CRM reports and Google analytics.
- ✚ Worked as a digital marketer for different clients across niches including cryptocurrency, audit and real estate.

■ Graduate Research Assistant and Analyst

Obafemi Awolowo University (OAU)

07/2023 - 01/2024

- ✚ Designed a healthcare community programme for children aged under 5 using the Common Risk Factor Approach (CRFA)
- ✚ Handled and analysed real-time primary and secondary data (quantitative and qualitative) collected from various sources.
- ✚ Wrote manuscripts; tested several hypotheses with both parametric and non-parametric statistical techniques and models.
- ✚ Designed 4 poster presentation and collaborated other research assistants on research designs and systematic reviews.

■ Head of Technical and Supplementary Services

Lavender Tutors

03/2020 - 03/2021

- ✚ Coordinated computing resources and operation modes based on employee and client feedbacks.
- ✚ Provided the blueprint for a web app for tracking learning outcomes and the tutors' efficiency.
- ✚ Developed an income-payment-benefit plan that balanced employee-client need.

EDUCATION

M.Sc. Financial Engineering

WorldQuant University (USA)

01/2025 - 01/2027

B. Sc. Ed Biology (First Class; 4.83/5.00)

Obafemi Awolowo University (OAU)

04/2017 - 07/2023

Professional Diploma in Data Analytics and Visualisation

Baze University, Abuja

03/2024 - 02/2025

VOLUNTEERING EXPERIENCE

■ Research Lead

Instride Pathways Youth Foundation

05/2024 - Present

- ✚ Currently leading a team comparing predictive efficacy of Logistic Regression, SVM and XGBoost on health datasets.
- ✚ Gathered data of private secondary schools across Nigerian for CIAY; a targeted sensitization and development programme.
- ✚ Serving as moderator and interim secretary, drafting correspondents and resourceful data-based presentations to local and global partners.

■ Member, Humanity First Foundation

2023 - Present

- ✚ Partook in the "Pad-Up-A-Girl" project held in 11/23 and 01/24 in Urban Day High School, Oyo and Irepodun High School, Osun. Over 1000+ students received sanitary pads, and sensitisation about menstrual hygiene.

TECHNICAL SKILLS

Data Analysis

SPSS, Excel, PowerBI, MySQL

Computing

MS Office, CanvaPro

VCS ---- Git

Research Skills

Research design, Hypothesis testing

Report Writing,

Copywriting.

Data Science

Python, ML

PROFESSIONAL CERTIFICATES (IONS)

- ✚ Microsoft Certified: Azure AI Engineer Fundamentals (AI - 900)
- ✚ Certified Data Science Professional and Scholar (CSDP || IIIPS)
- ✚ AWS AI Engineer (Udacity Nanodegree)
- ✚ IDR Statistical Consulting Associate
- ✚ HP Life Data Science and Data Analytics Certificate
- ✚ Microsoft and LinkedIn Professional Career Essentials in Data Analysis
- ✚ GitHub Career Essentials Professional Certificate
- ✚ Microsoft Data Modelling in Power BI
- ✚ Alx AI Career Essentials (AiCE)
- ✚ Cisco English for IT 1 & 2

PUBLICATIONS

- ✚ Bello, M.P., Kareem, A. O., & Bamidele, E. F. (2025). Interactivity as a Retention Factor for Learning Biology Through the Protégé Effect. Journal of Teaching and Learning, 19 (1), 107 - 130 *{Scopus-rated Journal}*
- ✚ Kareem, A. O, Oniyide, Z. & Bello, M. P. (2024). The Influence of Emigration Potential (Japa Syndrome) on the Teaching Motivation and Teaching Efficacy of PreService Teachers. Sapientia Foundation Journal of Education, Scien-ces and Gender Studies (SFJESGS), 6 (3), 235 - 251.

RESEARCH CONFERENCE

- ✚ Oral and Technical Presentation at the 12th International Mardin Artuklu Scientific Researches Conference, Mardin, Turkiye.

17-19/08/2024

GENERAL SKILLS

Time Management

Team Work

Resourcefulness

Effective Communication

Leadership

Patience

SCHOLARSHIPS AND AWARDS

- ✚ Won Kaggle Bronze Award for Google Global AI Capstone Competition [\[Repo, Demo\]](#) 2025
- ✚ Earned an OAU Star Award of Excellence 2024
- ✚ Awarded best debater; MTG NYSC Rivers State Inter-platoon Debate competition. 2024
- ✚ Earned a Summa cum laude degree from my faculty. 21/22 Set
- ✚ Earned the Chief Dr (Mrs) Oluremi Tinubu (First lady's) Prize Award for the Best Graduating Student in STE Biology. 21/22 Set
- ✚ Earned Babs Fafunwa Educational Foundation Award. 21/22 Set

For a more comprehensive CV, [please click here](#)