

OMOLUWABI JAHSFAVOUR JOHNMARK

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Computer Science • Data Science • Machine Learning

Professional Summary

Computer Science undergraduate with hands-on experience in data science and machine learning, including fraud detection on 6M+ financial transactions and an XGBoost World Cup prediction model that correctly predicted Spain as the 2026 winner. Skilled in Python, SQL, statistical analysis, and predictive modeling, with projects in financial fraud and digital banking analytics. Currently deepening my ML and quantitative skills with the goal of applying data-driven methods to financial markets and quantitative trading.

Education

B.Sc. Computer Science (In View): Lagos State University of Education Nov 2023 - Present

Data Science: Yomi Denzel Foundation Aug 2025 - July 2026

UI/UX Design, User Research: Product Design University Jan 2025 - April 2025

Technical Skills

Languages: Python, SQL

Machine Learning & Statistics: Scikit-learn, XGBoost, Statsmodels, Supervised & Unsupervised Learning, Classification, Regression, Feature Engineering, Statistical Analysis

Data & Visualisation: Pandas, NumPy, Data Cleaning, EDA, Matplotlib, Seaborn, Power BI, Excel, Google Sheets

Tools: PostgreSQL, Git, GitHub, VS Code

Work Experience

ICT Intern, ICT Department — Ministry of Tourism, Arts and Culture - Secretariat, Alausa, Aug 2026 - Present
Lagos

Responsibilities: Technical support and troubleshooting, workstation configuration and maintenance, network support, database management, cybersecurity tool installation, and user account administration.

Projects

- **World Cup Prediction Model** - [Link](#)

Python • Pandas • XGBoost • Monte Carlo Simulation • Scikit-learn • Git/[GitHub](#)

Built a World Cup prediction model using international football data from 2014–2026, using XGBoost to predict individual match outcomes. Ran 10,000 Monte Carlo tournament simulations to estimate each team's probability of winning the 2026 FIFA World Cup. Evaluated the model chronologically on international fixtures from 2022–2026, achieving approximately 60% match outcome accuracy and predicting Spain as the winner after feature optimization.

- **Digital Banking Product Analytics** - [Link](#)

SQL (PostgreSQL) • Python (Pandas, Seaborn) • Git/[GitHub](#)

A product analytics case study analysing user activation funnels, daily/weekly/monthly engagement habits, transaction success metrics, monthly cohort retention, tracking transaction patterns, user retention decay, and onboarding behavioural correlations to guide strategic product decisions for a digital bank.

- **Fraud Detection System** - [Link](#)

Python • Pandas, NumPy, Scikit-learn, Seaborn, Streamlit • Git/[GitHub](#)

Built a Python ML pipeline and Streamlit app to detect fraudulent financial transactions on 6M+ records using feature engineering, imbalanced classification (Logistic Regression / Random Forest), and risk-score thresholding.

Certificates

Datacamp: Associate Data Scientist, Associate Data Analyst, Python Data Associate, SQL Associate

Python Institute: PCED Certified Entry-Level Data Analyst