

OLAMIDE BAMIGBOLA, Data Scientist

London, United Kingdom, 07760928516 ABDULLHATEEF@GMAIL.COM

PROFILE

Data scientist with a Distinction MSc in Artificial Intelligence and a track record of delivering NLP/LLM, predictive modelling and analytics solutions in regulated environments. Strong on stakeholder-led delivery, explainable and responsible AI (guardrails, fairness checks, model cards), and embedding solutions into operational workflows (Teams/SharePoint via Copilot Studio and Power Platform). Hands-on with Python, MLflow, Git/GitHub, Docker and production pipelines; cloud experience across Microsoft (Power Platform/Dataverse/Teams) and AWS; actively upskilling on Azure ML, Databricks, Synapse and Data Factory to match ICO's stack.

ACCOMPLISHMENTS

- Was appraised as 'Setting Example' (The Banks' Highest Performance Rating) in 2018,2019 & 2021
- **Most Dedicated Team Player:** Recognized in business operations (Stanbic IBTC Asset Management Limited 2022)
- **Customer-Centric Staff:** Acknowledged as the most customer-centric staff member in Stanbic IBTC Bank Warehouse Branch (2017).
- **Outstanding Staff:** Recognized as the most outstanding staff in Stanbic IBTC Bank Warehouse Branch (2020).
- **Audit Reports:** Contributed to three satisfactory audit reports (2017, 2018, 2020).
- **Beyond Excellence Award:** Received the 3rd Quarter Beyond Excellence Award in 2021.
- **Branch IT Champion:** Selected as the Branch IT Champion in 2016, 2017, 2018, and 2020

WORK EXPERIENCE

Jan 2023 – Present

DATA SCIENTIST (Volunteer)– Datagene Limited

London

- I use Python with libraries like Pandas and scikit-learn to run exploratory data analysis and feature engineering, following best practices with Git for version control and Airflow for orchestration, ensuring clean, reproducible workflows that drive accurate, production-ready models for cross-functional teams
- Implemented low code Dataverse plug ins and Power Automate flows to enforce server side CRM rules and automate approvals/escalations; exposed these actions as agent tools to support end to end orchestration with Copilot Studio.
- Built and published a Copilot Studio conversational agent for regulatory document Q&A in Teams; grounded responses on SharePoint sources and invoked low code Power Automate actions (create/assign/notify) against Dataverse to streamline intake and review.
- Built a conversational review agent using GPT-4 (OpenAI API) to analyse thousands of financial reports and client communications, auto-summarising findings and flagging inconsistencies for compliance teams; this boosted decision-making speed by 30%.Integrated the agent into existing reporting pipelines and dashboards (Python/SQL Power BI), adding guardrails (automated tests with PyTest, Git/GitHub) to reduce deployment errors by 30%.

- I developed an anomaly detection model using Python and XGBoost to identify suspicious transaction patterns in large financial datasets, integrating it into compliance dashboards and working with risk analysts to cut fraud investigation time by 30%.
- I built and deployed an NLP pipeline using HuggingFace Transformers and spaCy to analyze thousands of regulatory documents, flagging inconsistencies in compliance language and enabling legal teams to standardize policies, which reduced review time by 40%.
- I built and fine-tuned predictive and clustering models using Python, scikit-learn, and XGBoost to detect emerging disease patterns from large health datasets, collaborating with epidemiologists and data engineers to improve early outbreak surveillance accuracy by over 20% and accelerate public health response
- I oversee the full model development life cycle transforming and validating data, ingesting it into predictive pipelines, training and tuning models with Python and SQL, tracking experiments in MLflow, and deploying Dockerized solutions via GitHub Actions to AWS EC2 and ECR for scalable, production-ready performance
- I lead the full ML life cycle, ensuring robust data validation and ethical model deployment by designing predictive pipelines in Python, tracking experiments with MLflow, and collaborating with compliance and DevOps teams to deliver secure, cloud-based solutions on AWS
- I translate complex analytics into clear reports and visual dashboards using Python, SQL, and Power BI, presenting insights to non-technical stakeholders like compliance and finance teams to drive informed decisions and align data science outcomes with business goals.
- I developed and fine-tuned a BERT-based NLP pipeline using HuggingFace Transformers and spaCy to analyse over 15,000 public health guidance documents, identifying inconsistencies in clinical terminology; this improved policy alignment by 25% and supported faster decision-making with the epidemiology and policy teams.
- I deployed a fine-tuned GPT-4 NLP model to analyse over 8,000 financial reports and client communications, collaborating with portfolio managers and data engineers to detect inconsistencies, automate reporting, and improve investment decision speed, boosting efficiency by 30%.
- I managed end-to-end model development pipelines in Python, using Git/GitHub for version control and PyTest for automated testing, collaborating closely with data engineers and portfolio managers to ensure reproducible, error-free financial models that reduced deployment errors by 30%
- Developed a robust human action detection model achieving over 90% accuracy by leveraging transfer learning with the VGG50 pre-trained model using Python and PyTorch, while enhancing generalization through extensive data pre-processing and augmentation
- Developed and implemented a CNN using a ResNet model for pneumonia detection in chest X-rays, achieving 85% test accuracy while addressing class imbalance through effective image pre-processing and augmentation.
- Led operational management of AI initiatives, supervising external developers and coordinating with business heads. Implemented a CRM migration project improving analytics speed by 20%, leveraging Python, SQL, and cloud tools while maintaining stakeholder communication with senior managers and technical teams.
- Planned, organised, and led data analytics projects applying NLP (using Python, NLTK, spaCy) on over 10K client feedback entries, extracting actionable insights that boosted client satisfaction by 20% and ensured 100% on-time project delivery

Feb 2019 – Oct 2022

DATA SCIENTIST, STANBIC IBTC ASSET

LAGOS

MANAGEMENT LIMITED (A member of Standard Bank group)

- Developed and deployed predictive models using Python, PyTorch, and XGBoost to forecast market trends and detect anomalies, achieving over 90% accuracy and improving investment strategy decisions by 30%. Project: Market Trend Forecasting Model
- Built a predictive pipeline to anticipate market movements, enabling portfolio managers to optimize investment strategies and increase returns.
- Designed end-to-end data workflows, including data ingestion, transformation, validation, and feature engineering with Python and SQL, boosting model performance by 15% and ensuring high-quality inputs for machine learning applications.
- Collaborated with the data engineering team to gather, process, and analyze financial data to aid the fund managers resulting in a 15% improvement in investment decision-making.
- Utilized SQL queries to retrieve and manipulate dataset and data visualization tools such as Tableau, Excel, and Power BI to create interactive financial reports and dashboards, enhancing data-driven insights for portfolio managers, increasing profitability by 10% within the investment portfolios.
- Assisted in developing algorithms and predictive models using machine learning techniques to forecast market trends and optimize investment strategies, resulting in a 30% increase in investment returns and a more accurate prediction of market movements.
- Conducted regular data quality checks and implemented data cleansing procedures to ensure the accuracy and reliability of financial data, resulting in improved decision-making processes and heightened confidence in financial reporting.
- Worked closely with cross-functional teams to understand business requirements and translate them into actionable data solutions.
- Supported the development of reporting systems by specifying and providing datasets to meet the organization's analytical needs, resulting in more accurate and comprehensive reporting capabilities.
- Provided technical support and knowledge sharing to both technical and non-technical colleagues, facilitating data-driven decision-making across departments.
- Employed STATA for statistical analysis and models on large datasets using Python to provide insights on liquidation projections, enabling comprehensive insights and accurate liquidation projections.

Feb 2024 – Present

Team Administrator, Oxleas NHS Foundation Trust

London

- Coordinated high-level meetings and maintained clinical records using NHS systems (RiO, ESR).
- Supported project documentation, scheduling, and correspondence tracking, enabling better service delivery.
- Managed sensitive complaints and internal communication with a focus on patient-centric responsiveness.
- Collaborated with finance, accounting, and compliance units to increase operational efficiency by 30%.
- Managed financial operations, maintaining accurate records, ensuring strict compliance, and achieving commendable audit outcomes.
- Implemented and enhanced office systems, improving workflow and promoting efficiency across departments.
- Utilized Microsoft Office tools to streamline reporting, reducing document processing time by 20%.
- Led administrative teams, ensuring day-to-day operations' effectiveness, and fostering a culture of excellence, resulting in a 15% increase in overall departmental efficiency..

May 2016 – Feb 2019

CUSTOMER SUPPORT ANALYST, STANBIC IBTC BANK

LAGOS

PLC (A member of Standard Bank group)

- Identified and maximized sales opportunities, and increased customer retention rates
- Products Cross-sell, Account Services, and Query Management
- Maintained up-to-date knowledge of all retail promotions.
- Processing over 10+ Telegraphic Transfers per day • Facilitating and reviewing of over 10 deposit account types, Mutual funds account, Retirement saving account per day
- Attending to over 25+ telephonic queries regarding ATM cards and cheque books
- Attending to over 100 customers per day and addressing banking inquiries from escalated customers
- Communicating with dormant account customers to determine reasons for leaving the bank and to improving customer experience and banking processes.
- Worked to fully understand the customer data and ensured that the data was utilized to make advantageous changes.
- Utilized Customer Relationship Management (CRM) software to gather and analyze customer information and facilitate retention campaigns
- Comprehensive AML CDD and AML EDD checks for over 1000 corporate clients, and over 2,000 individual accounts in discovery and analysis of complicated ownership

EDUCATION

Sep 2022 – Sep 2023

MSc Artificial Intelligence, (**Distinction**) UNIVERSITY OF WEST LONDON

LONDON

Jan 2018 – Jan 2021

MSc Information Technology, University of Lagos

LAGOS

Sep 2010 – Sep 2014

BSc Computer Science, Bowen University

LAGOS

SKILLS

Cloud & MLOps
(Azure):

Azure ML, Azure OpenAI, Azure Databricks (Spark), Synapse, Data Factory; GitHub Actions / Azure DevOps; MLflow; Docker; CI/CD; model registry & deployment; monitoring (drift/fairness/perf).

Responsible AI &
Governance:

Explainable AI (SHAP/LIME), model/data cards, bias/fairness evaluation, DPIA, privacy-by-design, UK GDPR & DPA 2018 awareness, auditability & AI assurance.

AI/ML & GenAI:

EDA, statistics, XGBoost, scikit-learn, PyTorch; NLP (Transformers, BERT), LLMs (prompting, grounding/RAG), evaluation and guardrails.

Product
Delivery: -

Use-case discovery & prioritisation, agile collaboration with data product owners/analysts/engineers, embedding analytics into workflows (Teams/SharePoint/Power Platform), adoption metrics & change management.

Data Literacy &
Leadership:

Training, playbooks, communities of practice; contribution to Data Academy initiatives.

Ops Research &
Experimentatio:

Linear/Mixed-Integer Programming (PuLP/Pyomo), queuing/simulation; A/B testing, causal inference (PSM, DID).