

BADAWI, AMINU MUHAMMED

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SUMMARY

Analytical and research-driven **Data Scientist / AI-ML Engineer** with 6+ years of experience applying statistical modelling and machine learning across public health, finance, and SME ecosystems.

Experienced in building end-to-end analytics solutions, including data preprocessing workflows, feature engineering pipelines, dashboarding systems, and model-driven insights for real-world decision support. Skilled in translating complex datasets into actionable intelligence through BI dashboards, automated reporting systems, and API-ready analytical outputs, supporting both technical and non-technical stakeholders.

CORE SKILLS

- **Languages:** R, Python, SQL, HTML, Javascript, LaTeX.
- **AI:** LLMs, NLP, RAGs, CV, MCPs, Langchain, LLamaindex, APIs.
- **ML Frameworks:** Scikit-learn, XGBoost, Keras, Pytorch, Tensorflow, MLFlow.
- **Visualisation:** Power BI, Tableau, Looker, Ggplot2, Looker.
- **ETL & Automation:** Airflow, N8n, Zapier, Webscraping (Requests, Beautifulsoup), Excel VBA
- **Versioning & Deployment:** Git/Github, Azure, AWS.
- **Domain:** M & E | Health & Bioinformatics | Finance | Research | Time Series

WORK EXPERIENCE

Data Science Consultant:

since 2024

❖ At: **Consult for Africa**

- Remote engagements as Health Informatics and data systems specialist for health care providers across Nigeria and Kenya.
- Built HISs and Data pipelines for integrated analytics and automated reporting systems.

❖ At: **Bt-Hub Centre for Digital Skills and Innovation**

- Trained 100+ career analysts on data analysis with Excel, R, SQL, Python and P.BI.
- Co-Facilitated Data Science bootcamps with the team in Zamfara and Abuja.

❖ At: **Floret Centre of AG & Bioinformatics:** Conducted end-to-end omics data analysis, including statistical analysis, interpretation, and presentation of genomic research findings for multidisciplinary scientific audiences.

❖ At: **Evidence Action:** Managed data quality and training activities for field teams, facilitating workshops on survey sampling techniques, digital data collection platforms, data validation, quality assessment to ensure reliable programme data.

Data Scientist

GVO Company, UK-(Remote)

Dec. 2025 – Mar. 2026

- Developed, trained, and benchmarked Expected Goals (xG) machine learning models using XGBoost, Logistic Regression, and ensemble methods, applying rigorous model evaluation techniques (precision, recall, ROC-AUC) to select optimal deployment models.
- Built and operationalised ML inference pipelines for real-time football analytics and betting intelligence, enabling automated generation of predictive insights for downstream applications.
- Developed interactive Power BI dashboards backed by a structured star-schema data warehouse, improving accessibility of football performance metrics and supporting decision-driven reporting.



Data Training Facilitator

Uzat Global Consulting, Abuja (Hybrid)

Aug. 2025 – Dec. 2025

- Spearheaded the design and facilitation of data analytics and M&E Capacity Building programs, including the flagship masterclass “*Raw data to strategic Insight*”.
- Conducted training sessions on data visualisation, impact measurement, and data-driven storytelling while also contributing to the development of M&E reporting templates, data validation protocols & performance tracking systems.
- Lead the design of data collection tools, surveys, and performance dashboards to enhance reporting accuracy by over 40%.

AI Data Specialist

RWS Group -UK (Remote)

Jul. 2025 – Dec. 2025

- Performed data annotation, labelling, and linguistic evaluation across multilingual datasets for AI and machine-learning models.
- Engages in pairwise comparison tasks, tagging, and content classification, enabling AI models to recognise linguistic nuances and domain-specific intents better.

Finance/Marketing Analyst

Moorlick Animal Multi-nutrients

Dec.2024 – Nov. 2025

- Incorporated the *SPC-Six Sigma* to minimise products defects and reduce variability to the standard 3.4 DPMO.
- Tracked and reported financial KPI's, including budget variance, burn rate, customer churn rate, and cost-effectiveness analyses for supply chain logistics.
- Managed financial accounts, marketing expenses, payroll schedules, cost analysis, and balance sheets to ensure profit maximisation.

Financial Operations Manager

Medhal Nigeria Limited

Sep 2022 – Nov. 2024

- Managed NCAT's Cafeteria II services as an independent contractor for 2+ years with a developed structured operational process of a 24/7 cycle.
- Developed an automated stock inventory, Revenue tracking, and record management system to aid data-driven decision-making and timely reporting processes.

PUBLICATIONS/CONFERENCES

- Development of TNWED for modelling Breast cancer data (Journal article)
- Cure Fraction Models based on the TNWED for Survival Data; paper presented at the 8th PSSN Conference with the theme- “key to Unlocking Nigeria's Economic Potentials.”

EDUCATION

- 🎓 Master's Degree in Statistics *2021 – 2024*
Ahmadu Bello University, Zaria
- 🎓 Bachelor's Degree in Statistics *2013 – 2017*
Ahmadu Bello University, Zaria
- 🎓 Computer Software Applications *2012*
Nuhu Bamalli Polytechnic, Zaria

