

# BADAWI AMINU MUHAMMED

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## SUMMARY

Analytical and research-driven professional with 5+ years of experience leveraging descriptive, inferential, and predictive analytics across public health, finance, and SME sectors. Proven record in developing dashboards, ETL pipelines, and data models that enhance decision-making, reduce reporting lag, and improve program outcomes.

Skilled in **R**, **Python**, **SQL**, and **M&E frameworks**, with a strong commitment to applying data science insights for development impact and evidence-based policymaking.

## CORE SKILLS

- **Languages:** R, Python, SQL, LaTex.
- **ML Frameworks:** Scikit-learn, XGBoost, Keras, Pytorch, Tensorflow.
- **Visualisation:** Power BI, Tableau, Ggplot2, Matplotlib, Seaborn.
- **Platforms/IDEs:** MySQL, VS Code, Spyder, R-Studio, Excel, QGIS, J-Notebook etc.
- **ETL & Automation:** Airflow, Zapier, Webscraping (Requests, BeautifulSoup), Excel VBA
- **Deployment:** Git/Github, Azure, AWS.
- **Domain:** M & E | Statistical Analysis | Data modelling | ETL Processes | Time Series

## WORK EXPERIENCE

### Data Scientist (Freelance)

- ❖ Bt-Hub Centre for Digital Skills and Innovation
  - Trained 80+ career analysts on data analytics with Excel, R, SQL, Python and P.BI.
  - Co-Facilitated Data Science bootcamps with the team in Zamfara and Abuja.
- ❖ Designed and built Business models that improved purchasing decisions and reduced overstock for several SMEs within Kaduna state.
- ❖ Led analysis and presentation of Omics data for Florets Centre for advanced genomics and bioinformatics.
- ❖ Trained local Health staff on sampling survey techniques, data collection & quality assessment, and use of SPSS for Fundamental statistical Analysis.

### Training Facilitator

#### Uzat Global Consulting, Abuja (Hybrid)

Aug. 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

- Performs data annotation, labelling, and linguistic evaluation across multilingual datasets for AI and machine-learning models.



- Conducts data quality checks and root-cause analysis to identify inconsistencies, improving annotation precision and dataset reliability by up to 35%.
- Engages in pairwise comparison tasks, tagging, and content classification, enabling AI models to better recognize linguistic nuances and domain-specific intents.

## **Finance/Marketing Analyst**

### Moorlick Animal Multi-nutrients

*Dec. 2024 – Nov. 2025*

- Incorporated the *SPC-Six Sigma* to minimise 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 maximization.

## **Finance/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.
- Applied the *Six Sigma DMAIC* method to minimise variations in production, thereby maximising revenue up to a 62% net margin.

## **Project Analyst**

### Medhal Nigeria Limited

*Jun. – Aug. 2022*

- Co-supervised the Completion of a 250-capacity cafeteria for the Nigerian College of Aviation Technology, awarded to Medhal Nigeria Limited.
- Managed the procurement and supply of Cafeteria infrastructure for the Nigerian College of Aviation Technology, ensuring compliance and timely delivery.

## **WORKSHOPS**

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- Research and Professional Writing Techniques. (*Academic Workshop*)
- Writing Effective Grant Applications. (*Academic Workshop*)
- Adolescent Girl Initiative for Learning and Empowerment. (*Government*)

## **CERTIFICATIONS**

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- Statistical Analysis using R and SPSS.
- Data Analysis for Lean Six Sigma.
- SQL for Data Science.
- Workflow Automation using GEN AI.
- INFORMS** Professional Analytics Certificate.
- Adolescent Girl Initiative for Learning and Empowerment. (*Certificate of participation*)

## **MEMBERSHIPS/COMMUNITIES**

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- Nigerian Association of Data Analyst & Business Intelligence Experts (NSDABIE)
- Chartered Institute of Statisticians of Nigeria (CISON)
- BT-Hub Data Science Community – Community Head



- Floret Emerging Scientist Internship Program (FESIP-2)
- Data Science Nigeria AI+ Program

## PUBLICATIONS/CONFERENCES

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

## SELECTED PROJECTS

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- **Operations Management System | Python + Streamlit + SQLAlchemy**  
Developed a web-based Operations Management System for to streamline workflow and inventory tracking. Enabled real-time monitoring of stock, orders, and operational KPIs.
- **Hospital Management System | Python + Tkinter**  
Developed a modular HMS with patient records, staff management, ward admissions, and appointments with Integrated search/filter options for efficient hospital workflow management
- **CRM for Fashion Business | Google Sheets, AppSheet, Mobile Apps**  
Designed and implemented a CRM to manage customer data, orders, and measurements. (proved to yield efficiency by over 40%)
- **Neural Network Analysis in R with Torch**  
Built and trained a simple Neural Network in R with the Torch Package by experimenting with different architectures.
- **Heart Disease Prediction using Logistic Regression**  
Developed a machine learning model using logistic regression to predict heart disease.

## EDUCATION

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

## REFEREES

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Available on Requests