AFEEZ BABALOLA

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PROFESSIONAL SUMMARY

Afeez Babalola is an experienced data analyst and AI engineer with 8+ years of experience delivering digital solutions across healthcare, energy, logistics, finance, and public sectors. Skilled in AI development, statistical modeling, and enterprise analytics. Proficient in Python, R, SQL, and MATLAB, with hands-on expertise in SPSS, STATA, SAS, Excel, Power BI, and Tableau. Experienced in machine learning, NLP, deep learning, and neural networks. Familiar with SAP, OSIsoft PI System, and cloud tools like R/Shiny and Jupyter Notebooks.

WORK HISTORY

04/2025 - Current

Founder & Lead Data Analyst
AMB Elite Ltd - Kingston Upon Hull, UK
- Founded a data consultancy focused on deploying AI-based solutions for SMEs and public institutions globally.
- Designed AI tools for predictive analytics, smart surveillance, and supply chain optimization.
- Delivered enterprise dashboards integrated with live data streams using Python, SQL, Tableau, and Power BI.

04/2024 - Current

Site Security (Part time)
MITIE - Grimsby, UK
- Monitored and reported site analytics for operational risk assessments.
- Applied analytical insights to support physical security operations.

04/2017 - 10/2023

Business and Senior Data Analyst
Atwak Ventures Limited - Lagos, Nigeria
- Developed a fuel demand forecasting system using deep learning, achieving a 52% cost reduction in logistics.
- Built reporting systems using SAP and OSIsoft PI System data, integrated into business intelligence dashboards.
- Created maritime compliance and safety models with SPSS, STATA, and MATLAB to meet global regulatory standards.
- Led system integration across SCADA and vessel telemetry environments, improving shipping reliability.

06/2019 - 08/2023

Database and Business Analyst (Contract)
AduGlobal Enterprise - Ibadan, Nigeria
- Evaluate, gather, and explain information to support the process of making informed decisions.
- Designs, implements, and maintains secure, efficient, and accurate databases that store and organise the company's data.
- Ensures data security, accuracy, completeness, and reliability.
- Creates and presents reports and dashboards to help business stakeholders understand data insights.
- Use analytic methods and tools to understand, predict, and/or control logistics operations and processes.
- Provides investigative studies and offers guidance to fellow experts on how to choose, utilise, and execute database management software.

02/2017 - 08/2023

Data Analyst & Research Consultant
Consultant - Remote
- Completed 350+ international projects for clients in 25+ countries via Fiverr and Upwork.

- Built forecasting models, data dashboards, and ML-powered analytics systems for health tech firms, energy companies, and research institutions.
- Consulted for oil & gas firms in the Middle East and academic institutions in North America and Europe.

02/2020 - 12/2022 **Statistical Programmer/Analyst (Contract)**
University of Ilorin Teaching Hospital - Ilorin, Nigeria
- Built a COVID-19 prediction model (80%+ accuracy) to support triage during the pandemic.
- Designed neural network model to forecast hospital supply demand, reducing resource waste by 52%.
- Managed statistical reporting and research pipelines using Python, R/Shiny, STATA, and SPSS.
- Worked alongside clinicians and researchers to generate insights for disease modeling and clinical trials.

SKILLS

- **Programming:** Python, R, SQL, MATLAB
- **Data Analysis Tools:** SPSS, STATA, SAS, Excel
- **Data Visualization:** Power BI, Tableau, Microsoft Excel Dashboards
- **Machine Learning/AI:** Deep learning, NLP, regression modeling, neural networks
- **Enterprise Systems:** SAP, OSIsoft PI System
- **Cloud & Tools:** R/Shiny, Jupyter Notebooks

EDUCATION

09/2023 - 09/2024 **Master of Science**: **Artificial Intelligence and Data Science**
University of Hull, United Kingdom - Hull, United Kingdom
Specialized in AI and data science with a focus on deep learning, NLP, data mining, and big data analytics. Gained hands-on experience in designing intelligent systems and solving real-world problems using advanced machine learning techniques.

04/2019 - 02/2021 **Master of Science**: **Statistics (Biometry)**
University of Ibadan, Nigeria - Ibadan, Nigeria
Focused on biostatistics and medical research applications. Developed expertise in experimental design, survival analysis, and multivariate techniques using statistical software to analyze complex biological data.

10/2012 - 02/2016 **Bachelor of Science**: **Statistics**
University of Ilorin - Ilorin, Nigeria
Built a strong foundation in statistical theory and data analysis. Studied probability, regression, and inference, with practical training in statistical software for solving real-world analytical problems.

09/2010 - 09/2012 **Diploma of Higher Education**: **Computer Engineering**
Federal Polytechnic Offa, Nigeria - Offa, Kwara, Nigeria
Gained foundational knowledge in computer hardware, software systems, and networking, with practical training in troubleshooting and system maintenance.

06/2004 - 09/2010 **GCSEs**: **secondary education**
Royal College - Lagos, Nigeria - Passed all subjects
Successfully completed secondary education with passes in all subjects, establishing a strong academic foundation for further studies in science and technology.

KEY PROJECTS & CONTRIBUTIONS

- **AI-Powered Inventory Forecasting Tool:** Reduced stock costs by 52% using deep learning (retail/logistics).
- **COVID-19 Triage Support System:** Built ML-based prediction model for PCR test accuracy (healthcare).
- **Maritime Risk Monitoring System:** Designed predictive alerting tool using SCADA data (oil & gas).
- **Fuel Demand Forecasting for Atwak Ventures:** Integrated SAP and deep learning to optimise maritime logistics.

- **NLP-Powered Public Health Tool:** In development—designed to predict outbreaks using epidemiological bulletins.

COMMUNITY ENGAGEMENT & MENTORSHIP

- Mentored over 100 early-career data analysts and researchers via bootcamps and workshops.
- Speaker at workshops, conferences on AI ethics, data literacy, and machine learning applications.
- Active contributor on ResearchGate and educational forums supporting open-access learning.

RESEARCH PUBLICATIONS

- BABALOLA, A.M. and Obubu, M., Modelling Colinearity in the Presence of Non–Normal Error: A Robust Regression Approach.
- Afeez, B., Maxwell, O., Otekunrin, O. and Happiness, O., 2018. Selection and validation of comparative study of normality test. *American Journal of Mathematics and Statistics*, *8*(6), pp.190-201.
- Afeez, B.M., Maxwell, O., Osuji, G.A. and Chinedu, I.U., 2018. Reprospective analysis of some factors responsible for infant mortality in Nigeria: Evidence from Nigeria Demographic and Health Survy (NDHS). *Am. J. Math. Stat*, *8*, pp.184-189.
- Babalola, A.M., OBUBU, M. and Oluwaseun, A.O., Contraceptive Efficacy a Retrospective Analysis Among Nigerian. Curr Tre Biosta & Biometr 1 (3)-2019. *CTBB. MS. ID*, *1*(3).
- Afeez Mayowa, B., Lateef Adebayo, B. and Maxwell Obubu, T.A.A., Visualization of Voxel Volume Emission and Absorption of Light in Medical Biology. Curr Tre Biosta & Biometr 1 (3)-2019. *CTBB. MS. ID*, *114*.
- Maxwell, O., Mayowa, B.A., Chinedu, I.U. and Peace, A.E., 2019. Parametric Survival Modeling of Maternal Obstetric Risk; a Censored Study.
- Maxwell, O., Mayowa, B.A., Chinedu, I.U. and Peace, A.E., 2019. Biometry Investigation of Malaria-Disease, Mortality and Modeling; an Autoregressive Integrated Approach. *Americal Journal of Mathematics and Statistics*, *9*(1), pp.11-6.
- Maxwell, O., Babalola, A.M. and Nwokike, C., 2019. Poisson Regression Modeling of Pregnancy Related Death in Oyo State, Nigeria. *Asian Journal of Pregnancy and Childbirth*, *2*(2), pp.1-5.
- Afeez Mayowa, B., Lateef Adebayo, B. and Maxwell Obubu, T.A.A., Visualization of Voxel Volume Emission and Absorption of Light in Medical Biology. Curr Tre Biosta & Biometr 1 (3)-2019. *CTBB. MS. ID*, *114*.
- Maxwell, O., Mayowa, B.A., Chinedu, I.U. and Peace, A.E., 2018. Modelling count data; a generalized linear model framework. *Am J Math Stat*, *8*(6), pp.179-183.

HOBBIES AND INTEREST

- Exploring emerging trends in AI and data science
- Contributing to open-source analytics and tech projects
- Reading non-fiction books on innovation and leadership
- Mentoring aspiring data professionals
- Playing chess and solving logic puzzles
- Participating in tech meetups and data science communities
- Staying active through jogging and football

AWARDS, ACCOMPLISHMENTS, AND HONOURS

- **Certificate of Achievement Best Employee of the Year** – December 2022
- **Innovation Award** – January 2023

REFERENCES

References available upon request.