

Matre Aiguokhian

[Email](#) | [Portfolio](#) | [LinkedIn](#) | Abuja, Nigeria

Professional Summary

I'm a Data Scientist with 3+ years of experience in machine learning, analytics, and solving complex business problems with data. I lead projects in **fintech**, **health AI**, and **e-commerce**, turning raw data into valuable insights that drive business growth. My expertise includes building predictive models in Python, optimizing workflows with SQL, and leveraging cloud technologies (AWS, GCP) to scale solutions. I'm passionate about creating clear, impactful data visualizations using Tableau and other BI tools, and I thrive on transforming data challenges into real-world solutions. Through collaboration and communication, I help stakeholders and teams make data-driven decisions that lead to measurable success.

Core Competencies

- **Data Analysis:** Data wrangling, statistical analysis, hypothesis testing, feature engineering, data cleaning, and preparing data for machine learning models.
- **Data Science & Machine Learning:** Supervised and unsupervised learning, model development and evaluation, classification, regression, clustering, cross-validation, and model tuning.
- **Business Intelligence and Data Visualization:** Tableau, Power BI, Jupyter Notebooks, dashboard creation, real-time data visualization, reporting, and insights generation.
- **Collaboration and Leadership:** Cross-functional communication, remote collaboration, mentoring junior programmers, project management, stakeholder engagement, and driving business decisions with data.
- **Programming & MLOps:** Python (Scikit-learn, Pandas, TensorFlow), SQL, version control (Git), Streamlit for interactive apps, deployment workflows, and automation of machine learning models.
- **Big Data & Cloud Technologies:** Experience with cloud platforms (AWS, Google Cloud), big data processing (Spark), and handling large datasets for scalable machine learning.

Projects

- **Social Media Post Popularity Classifier (Python, Scikit-learn, Streamlit)**
 - Developed a predictive model using machine learning techniques to assess the popularity of social media posts. The model factors in content characteristics and publishing time to generate predictions.
 - Deployed the solution as an interactive app via AWS, enabling users to evaluate the potential performance of their posts in real-time.
- **RxSync: Multilingual Medicine Recommender (Python, Streamlit, SVM)**
 - Built a recommendation system that suggests medicines based on user inputs, ensuring accurate and fast medicine recommendations for a diverse user base across multiple languages. (e.g., symptoms, medical history). Leveraged Support Vector Machines (SVM) for accurate classification
 - Integrated multilingual support by adding translation APIs, optimizing the tool for global accessibility, and improving user experience across different regions.
- **Detection in Electoral Data (Python, Geopy, Scikit-learn)**
 - Developed an unsupervised anomaly detection model to clean electoral data, improving data quality. Ensuring the accuracy of electoral datasets by detecting and removing outliers that could skew election analysis.
 - Analyzed both geographical and numerical voting patterns, I successfully identified outliers, leading to more accurate and reliable electoral insights.

Professional Experience

Freelance Data Scientist & Analyst — Remote

March 2022 – Present

- Led multiple data science projects across sports, fintech, health AI, and e-commerce sectors, delivering actionable insights and optimized workflows.
- Developed machine learning models for predictive analytics, including churn prediction, sales forecasting, and risk management
- Increased model accuracy by 15-25% through iterative optimization and hyperparameter tuning.

Data Analytics Intern — HNG Tech (Remote)

June – August 2024

- Mapped user onboarding funnels using SQL and Excel, identifying a 15% drop-off at key activation milestones.
- Built Tableau dashboards tracking monthly active users, call-volume proxies, and repeat usage metrics for stakeholders.
- Designed and analyzed A/B tests on email-based onboarding content, increasing new-user activation by 12%.

Python Programmer & IT Specialist — 3Logy Limited, Abuja

February – November 2024

- Streamlined ERP software operations, improving client data reporting by 30%.
- Automated weekly retention reports in Python, data workflows, reducing manual tasks by 40%, and documented processes to enhance team efficiency.
- Ran hands-on workshops translating analytic findings into actionable roadmaps for non-technical teams and weekly seminar on python and AI.
- IT support and training, increasing client adoption rate by 25%.

Python & Data Analytics Instructor — Zion Coding School

June – October 2023

- Trained 40+ students in Python and data analysis, improving students' data literacy and job readiness.
- Developed hands-on learning assignments focused on real-world datasets, contributing to a 90% pass rate for students in applied data science.

Education

B.Sc. Computer Science, CGPA: 4.45/5

Nile University of Nigeria — 2024

Relevant Courses: Statistics, Calculus, Machine Learning, Linear Algebra, Neural Networks, Operations Research

Additional Information:

- Publications & Research: *Symptom-Based Medicine Recommendation System* — Published paper on using machine learning to suggest medicines based on symptoms.
- Technical Writing: Data Science Blog Posts on Medium & Open-Source contribution
- Continuous Learning: Data Science Course on DataCamp (*In progress*)