## CHIEDOZIEM INYAMA

6 Nsentuk Street, Off SDP Rd Eket, Akwa Ibom (Willing to Relocate)

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LinkedIn: <linkedin.com/in/chiedoziem-inyama>

Portfolio: <dozie-portfolio.vercel.app>

GitHub: <github.com/DoziemMetrics>

## PROFESSIONAL SUMMARY

Machine Learning Engineer specializing in healthcare analytics with strong expertise in building predictive models, conducting statistical analysis, and visualizing actionable insights. With hands-on experience in Power BI, Python, and deployment tools, I develop solutions that bridge the gap between data science and impact. Known for converting raw data into robust, scalable tools that drive decision-making and improve outcomes.

## TECHNICAL SKILLS

ML Frameworks: Scikit-learn, TensorFlow

Languages: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL

Healthcare ML: Clinical Risk Prediction, Treatment Outcome Forecasting

Data Engineering: ETL Pipelines, Feature Engineering, API Integration

Visualization: Power BI, Tableau, Plotly, Seaborn

Deployment: Streamlit

Tools: Github

## PROFESSIONAL EXPERIENCE

**Heartland Alliance Nigeria (KP CARE 1)**

Monitoring & Evaluation Assistant (Data/Reports) | Feb 2024 – Present

* - Developed HIV suppression prediction model using clinical adherence data with 92% precision.
* - Automated data validation pipelines, reducing reporting errors by 25%.
* - Integrated ML insights into DHIS2 dashboards for real-time program adjustments.
* - Designed and deployed Power BI dashboards to track KPIs across thematic areas.
* - Conducted staff training in Python and Power BI, enhancing team data capability.

Operations Analyst | Aug 2021 – Feb 2024

* - Created a Python-based tracking system that reduced processing time by 40%.

Office Assistant | Aug 2021 – Feb 2024

* - Supervised procurement and logistics processes, ensuring vendor compliance.
* - Supported supervisors by managing invoicing and ensuring delivery accuracy.
* - Learned and began applying data entry and analysis techniques for inventory improvement.

**PondCircus**

Personal Assistant | May 2020 – Dec 2020

* - Reduced CEO workload by organizing documentation and representing company at key events.

## MACHINE LEARNING PROJECTS

**HIV Suppression Predictor**

* - Python, XGBoost, SHAP
* - Forecasted viral suppression likelihood using treatment adherence data.
* - Engineered temporal features from patient visit patterns; achieved 92% precision.
* - GitHub: https://github.com/DoziemMetrics/hiv-suppression-prediction

**Fraud Detection System**

* - Python, Scikit-learn, SMOTE
* - Anomaly detection model for credit card transactions (0.17% fraud rate).
* - Addressed class imbalance with SMOTE; achieved 98% recall.
* - GitHub: https://github.com/DoziemMetrics/fraud-detection

**Diabetes Risk Assessment**

* - Python, Scikit-learn, Streamlit
* - Ensemble model (RF + XGBoost) predicting diabetes onset with 96% accuracy.
* - Live Demo: https://dozie-diabetes-prediction.streamlit.app
* - GitHub: https://github.com/DoziemMetrics/Diabetes-Prediction-Model

**Airport Operations Analytics**

* - Python, Power BI, Prophet
* - Forecasted flight delays with MAE of 9.3 minutes using weather and carrier data.
* - Identified $2M savings opportunity through turnaround optimization.
* - GitHub: https://github.com/DoziemMetrics/airport-data-analysis

**Shark Attack Risk Model**

* - Python, Logistic Regression, Tableau
* - Classified high-risk zones using environmental factors with 82% precision.
* - GitHub: https://github.com/DoziemMetrics/shark-attack-analysis

## EDUCATION

Miva Open University  
BSc Data Science | 2022 – 2026 (Expected)

Quantum Analytics  
Python for Data Analysis | 2023  
Data Analysis Certification | 2023

Google Data Analytics Certification  
Coursera | 2022

University of Calabar  
BSc Biochemistry | 2014 – 2019

References available on request.