

Ghislian Chigozie Ibekwe

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DATA SCIENTIST | MACHINE LEARNING ENGINEER

PROFESSIONAL SUMMARY

Analytical and detail-oriented data scientist with hands on experience building machine learning models, AI automation pipelines and full-stack data applications. Skilled in Python, SQL and predictive modelling with proven ability to transform raw data into scalable, intelligent solutions. Strong interest in Generative AI, Natural Language Processing, and workflow automation to enhance decision-making and operational efficiency.

EXPERIENCE

Data Analyst Intern

Egobeke Cooperative December 2023 - June 2024, Owerri Imo State

- Analysed financial and operational datasets using Python, MySQL and Power BI to generate real-time insights supporting executive decision-making.
- Cleaned, transformed, and validated raw data, improving dataset consistency and quality by 30%.
- Performed statistical analysis and built interactive dashboards to monitor business trends and performance metrics.
- Automated recurring reporting processes, reducing manual effort and improving reporting accuracy

Machine Learning Intern Lead

Dala Innovation (Remote) | Jul 2025 – Nov 2025

- Led a team responsible for extracting and structuring textual data from historical Lango language books using Tesseract OCR.
- Built data preprocessing pipelines to convert scanned text into structured machine-readable datasets.
- Applied machine learning methods to classify and organize extracted linguistic data.
- Coordinated remote task execution and ensured timely project delivery through structured collaboration.
- Managed tasks and collaborated remotely to meet project deadlines

PROJECT EXPERIENCE

AI Evaluation and Red-Flag Detection in Legal Decision-Making (EB-1A RFE Risk Analyzer) ([GitHub](#))

Personal Project • July 2025

- Designed an NLP-driven document analysis pipeline that identifies legal risk indicators within immigration petitions.
- Built supervised machine learning classification models achieving 90% accuracy in detecting text-based risk signals.
- Developed explainable scoring rubrics and evaluation frameworks aligned with AI evaluation standards.
- Generated automated legal-style reports in DOCX and PDF formats with severity grading and visual interpretation outputs.
- Integrated rule-based logic with machine learning workflows to simulate real-world adjudication support systems.

Assessing Cybersecurity Awareness Level Among Student Using Machine learning ([GitHub](#))

Federal University of Technology Owerri Undergraduate Project,

• September 2024 - January 2025

- Developed a Random Forest classifier achieving 92.14% accuracy in predicting cybersecurity awareness levels among students.
- Engineered predictive features and optimized model performance using data preprocessing and hyperparameter tuning.
- Built and deployed a Django web application enabling interactive prediction and personalized feedback delivery.
- Designed full end-to-end ML deployment pipeline for real user testing.

House Price Prediction Personal Project ([GitHub](#))

Personal Project • August 2024 - October 2024

- Developed regression models using Random Forest and Linear Regression to estimate Nigerian housing prices.
- Processed large real estate datasets through data cleaning, transformation, and feature engineering.
- Built and deployed a Django-based web interface allowing users to generate real-time price predictions.

Health Insurance Cost Prediction System ([GitHub](#))

Personal Project January 2026 – February 2026

- Developed a regression-based machine learning model to predict individual health insurance charges using demographic and lifestyle factors such as age, BMI, smoking status, and number of dependents.
- Performed exploratory data analysis, feature engineering, and data preprocessing to improve model performance and interpretability.
- Trained and evaluated multiple regression algorithms including Linear Regression and ensemble models, selecting the best performing model based on error metrics such as MAE and RMSE
- Built an interactive prediction interface allowing users to input personal attributes and receive estimated insurance cost predictions.
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EDUCATION

Bachelor of Technology (B.T) in Software Engineering

Federal University of Technology, Owerri December 2019 – December 2024

Relevant Coursework:

Machine Learning, Data Analysis, Software Engineering, Database Systems, Artificial Intelligence

CERTIFICATION

Python Developer Certification Zero to Mastery Academy (Udemy), 2021

Machine Learning & Data Science with Python Goeduhub Technologies, 2024

Data Science Bootcamp (15 Weeks), TechCrush 2026

TECHNICAL SKILLS

Programming & Tools: Python, SQL, Power BI, Excel, Git, GitHub, HTML/CSS, JavaScript

AI Automation Tools: Zapier, Make, n8n

Soft Skills: Attention to Detail, Proactive Problem Solving, Cross-Functional Collaboration, Time Management

Core Competencies: Machine Learning, NLP, AI Product Development, Data Visualization, Web App Deployment

Cloud and MLOps: Microsoft Azure (ML Studio, Model Experimentation)

Frameworks and Libraries: Scikit-learn, Pandas, NumPy, NLTK, Spacy, Flask, Django, Hugging Face Transformers, LangChain
