

Bello Oluwadamilare T.

AI Engineer | Data Scientist | Financial Engineer

Professional Summary:

AI Engineer and Data Scientist with hands-on experience designing, training, and deploying machine learning and deep learning models. Proficient in developing scalable AI solutions, predictive analytics systems, and NLP-based applications.

Skilled in Python, SQL, PyTorch, LangChain, and cloud-based ML pipelines, with a strong foundation in applied mathematics and quantitative finance. Adept at transforming complex datasets into actionable insights and deploying models into production environments.

Education:

- ◆ **M.Sc. Automation Engineer.**
- ◆ **B.Eng. Electrical Electronics Engineering**
- ◆ **OND. Electrical Electronics Engineering**

Technical Skills:

- **Programming:** Python, SQL, Solidity
- **Machine Learning:** Regression, Classification, Time-Series Forecasting, Predictive Analytics
- **Deep Learning:** Neural Networks, Transformers, Autoencoders, Computer vision
- **Natural Language Processing (NLP):** Text Embeddings, Vector Databases, Retrieval-Augmented Generation (RAG) Systems
- **Tools & Platforms:** LangChain, FAISS, ChromaDB, Git, FastAPI, Cloud

ML Pipelines

Professional Experience:

- Developed and deployed predictive models for e-commerce sales forecasting, improving trend analysis and decision-making accuracy.
- Designed AI-powered document-based chatbots using vector embeddings and LLMs, enhancing automated knowledge retrieval systems.
- Built FASTAPIs for ML model deployment with Flask, enabling seamless integration of AI solutions into web and enterprise applications.
- Engineered end-to-end ML pipelines, including data preprocessing, feature engineering, model training, evaluation, and production deployment.