SODIQ OLAMIDE OLAITAN

Artificial Intelligence & Machine Learning Engineer

Linkedin.com/in/olamide-olaitan/ | London, UK | OlamideOlaitan111@gmail.com | +(44)7917601102 | olamide.olaitan.dev

AI/ML Engineer with an MSc in Robotics with Artificial Intelligence and **2 years of fintech software engineering**. Built NLP, RAG and MLOps systems using Python, testing and CI/CD.

Experience

SupportSense | *Python, scikit-learn, PyTorch, TensorFlow, Gradio, pytest, PostgreSQL*

- Built a BANKING77 classifier for **77 intents** across **13,083 queries**, comparing classical ML and deep learning models.
- Selected **TF-IDF + Linear SVM** from **3 model approaches**; achieved **89.3% test accuracy** and **0.893 macro F1**.
- Deployed **Gradio on Render** with PostgreSQL, input validation, reusable inference and **pytest** tests.

RAGAssist | *Python, retrieval-augmented generation, embeddings, FastAPI, pytest*

- Built a **citation-grounded RAG system** for company-policy QA using document retrieval and source evidence.
- Across **9 queries**, maintained **100% Recall@3** and improved **MRR@3 from 0.815 to 0.944** by tuning chunks.
- Audited **12 answers** for citation quality, unsupported claims and evidence traceability.

Software Engineer | Financial Technology *Nigeria | 2 years*

- Completed **2 years of professional software engineering** in the fintech sector.
- Applied debugging, testing and maintenance practices to support application functionality.
- Collaborated on engineering delivery, resolving implementation issues and code defects.

Education

London Metropolitan University | MSc Robotics with Artificial Intelligence *London, UK | 2025*

Focus: AI, machine learning, robotics and embedded systems; applied engineering projects.

Kwara State University | BEng Materials Science and Engineering *Nigeria*

Foundation in materials science, experiments, engineering analysis and quantitative reasoning.

Skills

Python • scikit-learn • PyTorch • TensorFlow • NLP • RAG • Embeddings • MLflow • FastAPI • Streamlit • Gradio • SQL/PostgreSQL • pytest • GitHub Actions (CI/CD) • Git • JavaScript • C++ • ESP32 • Drift Monitoring (PSI/KS)

Projects

- **ModelOps**: Built a churn MLOps pipeline with **PSI/KS** drift checks, MLflow, FastAPI, Streamlit and gated model promotion.
- **Microplastic Detector**: Led sensor prototyping with **MQ5 and ESP32** to analyse plastic-combustion emissions.
- **Embedded Robotics**: Built ESP32 ultrasonic-distance sensing and PWM motor/servo control.