Oke Precious Oluwanifemi
Machine Learning Engineer Intern

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SUMMARY

Machine Learning Engineer and final-year Computer Science student with experience building scalable recommender systems, interpretable fraud detection, and production-ready pipelines, fraud detection, and Generative AI.

TECHNICAL SKILLS

Programming: Python, SQL
Machine Learning: NLP, Recommender Systems, Fraud Detection
Frameworks & Libraries: TensorFlow, Keras, PyTorch, Scikit-learn
LLM & GenAI: Hugging Face Transformers, LangChain, RAG
MLOps & Deployment: Docker, MLflow, GitHub Actions, FastAPI, Flask
Tools & Platforms: Firebase, Hugging Face Spaces, Render, Git, Jupyter, Google Colab

EXPERIENCE

Mobile & Flutter Developer (Intern) — Feb 2025 - July 2025

Alliance Consulting & Digital Solutions — Lagos, Nigeria

- Optimized NoSQL data schemas in Firebase to support high-concurrency read operations and real-time synchronization.
- Engineered robust data pipelines and error-logging protocols, significantly improving system observability and stability.

PROJECTS

Hybrid E-Commerce Recommendation System — Aug 2025 - Dec 2025

Technologies: Python, TensorFlow, FastAPI, Docker, MLflow

- Architected a hybrid retrieval-ranking engine (SASRec + Transformer-DQN) to optimize LTV, deployed via Docker and FastAPI.
- Reduced inference latency to <10ms via TFLite optimization while achieving 8.72% Recall@10 (4% lift over baseline).

GitHub Repo │ Live Demo

Credit-Scout Risk Engine — Dec 2025 - Jan 2026

Technologies: Python, Streamlit, SHAP, Llama 3+

- Automated regulatory reporting by integrating Llama 3 to generate interpretable Adverse Action Notices from model outputs.
- Implemented SHAP-based Explainable AI to quantify feature importance and ensure transparency in financial risk classification.

GitHub Repo │ Live Demo

HACKATHONS & COMPETITIONS

NFL Big Data Bowl (Kaggle Competition) — Ongoing — Sep 2025 - Jan 2026

- Developed an ensemble deep learning system to predict NFL defender movement from player tracking data.
- Engineered a novel metric ("Ball Pursuit Efficiency"), achieving a 4.42 RMSE (28% improvement) over baseline models.

Kaggle Link

EDUCATION

B.Sc. Computer Science — 2022 - Expected June 2026

Babcock University Ilishan Remo, Ogun State

- **CGPA: 3.97 / 5.0**
- **Relevant coursework**: Artificial Intelligence, Machine Learning, Deep Learning.

CERTIFICATION

IBM Machine Learning Professional Certificate – Coursera — August 2025