

Williams Odunayo

Machine Learning Engineer

I'm a **Machine Learning Engineer** focused on building **real usable solutions**. I enjoy working with data and turning **complex problems into working systems**. I care about getting things to work, **learning fast**, and using tech to make an **impact**. **Always learning, always building**.

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EDUCATION

Bachelor of Science (B.Sc)

Federal University of Technology, Akure.

07/2022 - Present

Akure, Nigeria

Courses

- Remote Sensing and GIS Applications
- Image Processing and Interpretation
- Spatial Analysis and Modeling

PERSONAL PROJECTS

Weather Prediction (01/2025 - 03/2025)

- Developed and tested Random Forest and XGBoost models to predict rainfall from historical weather data, handling preprocessing, feature engineering, and performance analysis.

BrainScan AI (03/2025 - 05/2025)

- Built and optimised a deep learning model for brain tumour classification with 90%+ accuracy, and deployed it as a user-friendly Flask web app using TensorFlow Lite on Render for real-time MRI scan analysis.

EmotiSense – AI Emotion Detection

(05/2025 - 08/2025)

- Built a real-time facial emotion detection app using TensorFlow, OpenCV, and Flask to classify emotions, with two modes (.h5 for local with speech feedback and .tflite for deployment) and an alternative mediapipe demo based on facial geometry.

Ask-Your-Doc (AI Document Chatbot)

(09/2025 - 10/2025)

- Built a lightweight Retrieval-Augmented Generation (RAG) chatbot with Flask, LangChain, and Gemini API that lets users upload and chat with PDF or text files in real time, using FAISS and MiniLM embeddings for context-aware answers optimised for low-memory deployment.

WORK EXPERIENCE

Junior Growth Consultant

FutaMart

01/2025 - 07/2025

Nigeria

A campus-based e-commerce and logistics platform for students at FUTA.

Achievements/Tasks

- Promoted FutaMart's services on campus and online.
- Assisted with customer support and order logistics.
- Boosted brand visibility through student engagement.

SKILLS

Python

Flask

OpenCV

NLP

Data Preprocessing

Tensorflow

LangChain

Model Deployment

Computer Vision

Remote Sensing & GIS

Problem Solving

Fast Learning

CERTIFICATES

Programming Foundations: Beyond the Fundamentals
(06/2024 - 06/2024)

Certificate link: <https://shorturl.at/mWIPI>

Introducing Generative AI with AWS
(06/2025 - 07/2025)

Certificate link: <https://shorturl.at/j0Eon>

LANGUAGES

English

Native or Bilingual Proficiency

INTERESTS

AI Applications in Healthcare & Cybersecurity

Generative AI

Geospatial Intelligence

Open-source Projects

Real-World ML Systems