

Salaudeen Mubarak Onoruoiza

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Professional Summary

Passionate AI Engineer skilled in **Python** and building **LLM-powered systems**, with a strong foundation in **machine learning, deep learning, and retrieval-augmented generation (RAG)**. Experienced in designing and deploying **context-aware, production-ready AI applications** including semantic search systems, agentic workflows, and intelligent assistants used by real users. Highly motivated to build impactful, scalable AI tools for innovative startups and emerging markets.

Programming Languages: Python

AI/ML	ML & Data Tools	LLM & NLP Tooling	Framework
Deep Learning	Hugging face	Vector Databases: FAISS	Pytorch
Large Language Models (LLMs)	Scikit-learn	LangChain	NumPy
Retrieval-Augmented Generation(RAG)	TensorFlow	LanGraph	Open AI API
Embeddings & Semantic Search	Pandas, Matplotlib	Tranformers	
Agentic & Context-Aware Systems	LightGBM		

Soft Skills: Analytical Thinking, Clear Communication, Problem Solving, Time Management.

Experience

AI Engineer/Software

Independent Projects & Open Source | 2024 – Present

- Designed and deployed **context-aware AI assistants** using RAG and modern LLM tooling.

AI & ML Projects

De_Law — AI-Powered Legal Assistant for Nigerians

 https://huggingface.co/spaces/mozzic/De_Law

- Developed a **RAG-powered chatbot** that helps users understand Nigerian laws and their rights in simple language.

RelocateAI — Context-Aware AI Relocation Guide

 <https://navigate-ai-pyzi-n6b3igcrr-mozzicstars-projects.vercel.app>

- Built a multi-step AI assistant guiding users through international relocation processes.
 - Maintained user state across visa, cost-of-living, healthcare, and cultural workflows.
- Tools:** Python, RAG, Agentic Workflows

Tax Reform Bot — AI Public Education Assistant

🔗 <https://ai-tax-reform.vercel.app>

- Built an AI explainer system for Nigeria's 2025 Tax Reform Acts (NTA & NTAA).
- Helped students, freelancers, and small business owners understand policies and obligations.
Tools: Python, RAG, Context-Aware Systems
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MumPal — AI Companion for Mothers

🔗 <https://mum-palz.vercel.app>

- Built a personalized AI assistant adapting responses based on pregnancy stage, baby age, and symptoms.
- Integrated emotional support, safety guidance, and culturally sensitive advice.
Tools: Python, Personalization, Context-Aware AI

TheraMood — Emotion-Aware Mental Health Chatbot

🔗 <https://theramood-frontend.vercel.app>

- Developed an emotion-conditioned conversational agent for youth mental well-being.
Tools: Python, NLP, Responsible AI

NASA Exoplanet Classifier — AI Research Competition Project

🔗 <https://huggingface.co/spaces/mozzic/nasa-exoplanet-classifier>

- Participated in the **NASA Space Apps Challenge**, building an ML model to classify exoplanets.
Tools: Python, TensorFlow, Scikit-learn, Pandas, LightGBM

Education

University of Lagos - B.Sc. in Systems Engineering
Lagos, Nigeria | 2023 - 2028 (Expected)

Certifications

- Certified Python Developer - ECX, 2025
- Building RAG agent with LLMs - NVIDIA, 2025
- Introduction to Deep Learning – NVIDIA, 2025