

HALIMAT IBRAHIM-AKINOSO

AI Developer | Machine Learning Engineer | Full-Stack AI Builder

Nigeria

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PROFESSIONAL SUMMARY

Innovative AI Developer with strong experience in building intelligent systems using machine learning, natural language processing, and full-stack technologies. Skilled in developing AI-powered educational platforms, RAG pipelines, and data-driven web applications. Passionate about applying artificial intelligence to solve real-world problems in education, commerce, and social impact, particularly in African contexts.

CORE SKILLS

Artificial Intelligence & Machine Learning

Machine Learning (Supervised & Unsupervised Learning)

Natural Language Processing (NLP)

Retrieval-Augmented Generation (RAG)

Prompt Engineering

Large Language Models (LLMs)

Text Embeddings & Semantic Search

Programming & Tools

Python, JavaScript

TensorFlow, PyTorch

LangChain, LlamaIndex

OpenAI API

Hugging Face

Scikit-learn, Pandas, NumPy

Web & Application Development

HTML, CSS, Bootstrap, Tailwind

React, JavaScript

PHP, MySQL

REST APIs

Dev & Deployment

Git & GitHub

Docker

Linux

VS Code

Cloud deployment (Render, Vercel, etc.)

PROJECT EXPERIENCE

TutorPlus AI - Multilingual Education Assistant

AI-powered learning platform for Nigerian secondary school students

Built an AI tutor that supports English, Yoruba, Hausa, and Igbo

Integrated RAG for accurate syllabus-based responses

Designed student authentication, subject selection, and AI chat interface

Improved learning outcomes through personalized AI feedback

AI-Powered RAG System

Document-based question-answering system

Implemented PDF ingestion, chunking, embeddings, and vector search

Used OpenAI embeddings and LangChain for retrieval

Built a context-grounded response pipeline to reduce hallucination

E-Commerce AI Platform

Built a product listing, cart, and checkout system

Integrated AI-driven product recommendations

Developed frontend using HTML, CSS, JavaScript

Educational Blog Platform

User authentication and post management system

Integrated analytics and AI-assisted content creation

Built using PHP, MySQL, and JavaScript

RESEARCH & ACADEMIC WORK

PhD Research Proposal (In Progress)

Exploring the interplay of self-regulation, engagement, and goal orientation in predicting mathematics achievement in public senior secondary schools in Oyo State

Focus on data-driven educational analysis

Integrating AI-based learning models to support student performance

EDUCATION

Bachelor's Degree in Computer Science and Education

Olabisi Onabanjo University Ago-Iwoye Ogun State Nigeria 2008

Blaze University Abuja. Software Engineer (IDEA) 2024-2025

Artificial Intelligent Engineering Training (A.I DEVELOPER) 2025-2026

CERTIFICATIONS & TRAINING

Machine Learning Fundamentals

AI & Data Science

Web Development

SOFT SKILLS

Problem solving

Analytical thinking

Research and documentation

Team collaboration

Communication of technical ideas

INTERESTS

Artificial Intelligence for Education

African language AI models

EdTech innovation

Data-driven policy making

