

TIMILEHIN ADEDAYO

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Results-driven AI/ML Developer with demonstrated expertise in designing and deploying machine learning solutions, including fine-tuned Large Language Models, computer vision systems, and RAG pipelines. Proven track record leading technical teams and optimizing AI-powered features from conception to production. Skilled in Python, TensorFlow, PyTorch, and cloud technologies with a passion for solving complex problems through innovative AI applications.

EDUCATION

<b>Babcock University</b> B.Sc Computer Science Relevant Coursework: Database Management Systems, Discrete Mathematics, General Statistics, Statistical Methods I & II	<b>Ogun, Nigeria</b> Expected Grad July 2026
<b>ST. CATHERINES COLLEGE</b> WAEC, SSCE	<b>Ibadan, Nigeria</b> 2022

TECHNICAL SKILLS & PROJECTS

<b>Programming:</b> C, Java, JavaScript, Python, SQL <b>Operating Systems:</b> Windows <b>Tools:</b> NumPy, Pandas, Scikit-Learn, TensorFlow, PyTorch, GitHub	
<b>Fine-tuned Dolphin LLM   Personal Project</b> • Memory-efficient fine-tuning for large models without expensive infrastructure. • Data alignment prioritizing honesty and directness for accurate instruction-following. Stack: Python, PyTorch, HF (PEFT, Transformers, Accelerate)	Oct 2025
<b>Traffic Sign Detector   CS50</b> • Built neural network with TensorFlow to classify road signs from GTSRB dataset Stack: Python, TensorFlow, Scikit-Learn, OpenCV	Apr 2025
<b>Owltech   Wema Hackathon</b> • Automated security tool to detect high-risk "Shadow IT" apps and malicious URLs. • FastAPI microservice aggregating real-time data from 5+ external security APIs Stack: Python, FastAPI, Docker, Render, HF Inference API	Oct 2025

EXPERIENCE

<b>INTL INST. OF TROPICAL AGRICULTURE</b> <b>INTERN</b> • Custom CNN with TensorFlow/Keras for crop pest identification and classification • Classification system using Random Forests/SVMs for soil moisture categorization • Python automation scripts for ICT tasks (log parsing, report generation) • ELK Stack deployment (Elasticsearch, Logstash, Kibana) with Grafana monitoring Tech: Python, TensorFlow, Keras, Scikit-learn	<b>On-Site</b> Jan – Jun 2025
<b>Owltech</b> <b>AI Team Lead</b> • Optimized RAG pipelines reducing hallucinations in customer-facing chatbots • Led 3-person team in end-to-end delivery of AI-powered features to production Tech: TensorFlow, Keras, PyTorch, Scikit-learn	<b>Lagos, Nigeria</b> Jan 2025 – Present

LEADERSHIP & VOLUNTEERING

<b>GDG Babcock University Data &amp; AI Track Lead</b> • Hosted DATA Skills event with training for ML careers; 100+ attendees engaged	Sep 2025 – Present
<b>Babcock University Computer Club Dev Team Member</b>	Nov 2025 – Present

TRAINING & CERTIFICATION

NVIDIA: Fundamentals of Accelerated Data Science, Deep Learning

**COURSERA:** Neural Networks and Deep Learning

**ZERO TO MASTERY:** TensorFlow for Deep Learning

**UDEMY:** Complete AI, ML and Data Science Bootcamp