

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

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

TECHNICAL SKILLS & PROJECTS

Programming: C, Java, JavaScript, Python, SQL	
Operating Systems: Windows	
Tools: NumPy, Pandas, Scikit-Learn, TensorFlow, PyTorch, GitHub	
Fine-tuned Dolphin LLM Personal Project	Oct 2025
<ul style="list-style-type: none"> 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)	
Traffic Sign Detector CS50	Apr 2025
<ul style="list-style-type: none"> Built neural network with TensorFlow to classify road signs from GTSRB dataset 	
Stack: Python, TensorFlow, Scikit-Learn, OpenCV	
Owltech Wema Hackathon	Oct 2025
<ul style="list-style-type: none"> 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	

EXPERIENCE

INTL INST. OF TROPICAL AGRICULTURE	On-Site
INTERN	Jan – Jun 2025
<ul style="list-style-type: none"> 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	
Owltech	Lagos, Nigeria
AI Team Lead	Jan 2025 – Present
<ul style="list-style-type: none"> 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	

LEADERSHIP & VOLUNTEERING

GDG Babcock University Data & AI Track Lead	Sep 2025 – Present
<ul style="list-style-type: none"> Hosted DATA Skills event with training for ML careers; 100+ attendees engaged 	
Babcock University Computer Club Dev Team Member	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