Ofor Chukwuebuka

AI/ML Developer | Generative and Agentic AI | NLP and Computer Vision | Python

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Professional Summary

Results-driven AI/ML(Artificial intelligence/Machine learning) Engineer and Automation Specialist from RAIN(Robotics and Artificial intelligence Nigeria) with a strong foundation in Mechatronics Engineering. Specialized in building custom AI agents, automated finance/operational workflows, and NLP engines that reduce human overhead and accelerate business growth. Experienced in integrating custom LLMs (Claude, Llama) with payment gateways (Paystack) and messaging channels (Telegram/WhatsApp). Passionate about turning complex multi-venture operations into scalable, automated systems.

Technical Skills

- **Machine learning workflow:** Data cleaning, EDA and statistical analysis, supervised learning (regression, classification), unsupervised learning, model development, evaluation and optimisation, recommender systems, explainable AI (XAI).
- **AI & Agentic Systems:** Agentic AI Development, Multi-Agent Workflows, LLM Evaluation & Refinement (Claude, Meta AI), NLP & Chatbots..
- **Automation & Systems Integration:** Paystack API, Telegram/WhatsApp Webhooks, Custom Workflow Automation, APIs.
- **Computer vision and explainability:** Development of Deep learning models, Object detection (YOLO, EfficientNet), explainable AI (XAI) and model interpretability
- **Programming and engineering:** Python (primary) with machine-learning frameworks, API and webhook integration (Paystack, Telegram), model deployment, GitHub project portfolio
- **Data:** Annotation, labelling and quality assurance on large-scale datasets, data visualisation
- **Operational Leadership:** Data-driven Inventory Optimization, Technical Stakeholder Communication, Team Management.

Selected Projects

Invoicing Agent: AI Invoicing Tool with Paystack and Telegram Webhooks (GitHub)

- Proof of concept for a deployed invoicing tool with an agentic AI layer and an NLP conversational chatbot, integrated with Paystack and Telegram webhooks to automate a finance workflow.

Explainable AI for Business Analytics and Decision-Making (GitHub)

- Applies interpretability techniques to machine learning models so predictions come with clear explanations of the factors driving them, helping organisations build trust in AI and detect bias.

Malaria Cell Detection with Computer Vision (GitHub)

- Detects malaria in cell images using a large image dataset, paired with explainable AI for clearer analytical understanding.

Professional Experience

AI Developer | Robotics and Artificial Intelligence Nigeria (RAIN), Hybrid | Sep 2025 to present

- Apply supervised and unsupervised machine learning within real-world AI training and evaluation pipelines, contributing directly to model development and validation.
- Annotate, label and quality-check large-scale datasets to strict accuracy and relevance standards for downstream model training.
- Evaluate and refine AI and large language model outputs, identifying reasoning errors and improving response quality and relevance.
- Collaborate cross-functionally in a deadline-driven environment, communicating technical findings clearly to stakeholders and teammates.

Junior Manager | Uche-Peg Enterprises, Warri, Delta State | Jul 2024 to Mar 2025

- Directed daily operations for a small team, using data analysis to inform stock control and business decisions.
- Reduced inventory shrinkage and stabilised stock accuracy.
- Strengthened team communication and accountability.

Interns, Computer Networking (2023) and Data Analysis (2022) | Complete Computers and Technology Limited, Warri, Delta State

- Built foundational data-analysis skills in Python (data cleaning, exploratory analysis, visualisation) and developed early predictive and classification machine learning models in applied training projects.
- Configured and maintained networking devices and infrastructure, contributed to business analysis tasks and helped lead small team-based initiatives.

Education

B.Eng., Mechatronics Engineering | Afe Babalola University, Ado-Ekiti (ABUAD) | Completed Jul 2024 | Second Class Honours (Upper Division)

Certifications and Continuing Learning

- RAIN: Certified Artificial Intelligence and Machine Learning Developer, certificate of completion (8 October 2026)
- Meta: Agentic AI and Agentic AI Systems Developer Certification
- Meta: AI coursework in AI models, systems, and annotation and training methodology (Nov 2025 to present)