

Stephen Remi Adebambo (M.Eng)

437-410-8399 | sradebam@uwaterloo.ca | linkedin.com/in/stephen-adebambo | github.com/ubzrst

SUMMARY OF QUALIFICATIONS

- Graduate Engineering student (M.Eng) specializing in AI/ML with a focus on building functional, scalable, and secure software solutions that leverage foundation models.
- Proficient in Python, LLM orchestration, and core ML fundamentals; experienced in evaluating emerging AI trends to implement creative solutions.
- Strong technical communicator; able to draft documentation and visual summaries to simplify complex technical concepts for different audiences.
- Reliability-focused self-starter with internship experience in maintaining infrastructure for large-scale enterprise systems in high-uptime environments.

SKILLS

Languages & Core Tools: Python, JavaScript, Linux Shell, Git, NumPy, Scikit-learn, Matplotlib, LangGraph.

AI Frameworks: TensorFlow, PyTorch, Hugging Face.

Technical Skills: LLM Integration, Prompt Engineering, REST APIs, Technical Writing, Visual Communication.

EXPERIENCE

IT Officer / Data Analyst Intern

The Electoral Hub

Abuja, Nigeria

Feb. 2025 – March 2025

- Analyzed regional demographic datasets to identify trends, delivering insights through visual reports and infographics that improved engagement.
- Maintained WordPress site infrastructure, fixed usability issues, and resolved security vulnerabilities to ensure platform reliability and performance.
- Drafted clear English documentation to bridge technical findings with non-technical stakeholders, supporting evidence-based decision making.

Software Developer Intern

Aiivon Innovation Hub

Abuja, Nigeria

July 2021 – Sep. 2021

- Developed responsive React components and REST APIs, reducing user friction and lowering drop-off rate by 10%.
- Refactored 20% of legacy code into modular patterns to improve system maintainability and performance.
- Collaborated in an Agile environment to translate business requirements into functional, user-centric software updates.

Network Operations Intern

Multichoice Nigeria

Abuja, Nigeria

July 2022 – Sep. 2022

- Monitored enterprise server and network infrastructure achieving near-constant uptime.
- Diagnosed hardware and connectivity issues, documenting troubleshooting steps to facilitate knowledge transfer across teams.

PROJECTS

Pokémon Battle Analyzer (Agentic Prototype) | *React Native, LangGraph, LLMs, REST APIs*

- Building a mobile application utilizing LangGraph to orchestrate multi-agent reasoning for automated strategic analysis of movesets.
- Integrating LLM APIs and PokeAPI to transform raw data into actionable insights for automated battle strategy explanations.
- Utilizing automated reasoning via prompt engineering to provide clear, written explanations for competitive advantages.

Neural Network from Scratch | *Python, NumPy, Matplotlib*

- Engineered a feedforward neural network from scratch using NumPy to master backpropagation and model optimization.
- Achieved $\approx 92\%$ accuracy on MNIST dataset through iterative hyperparameter tuning and vectorized matrix operations.
- Documented training loss trends in writing to demonstrate clarity in explaining complex AI concepts to diverse audiences.

EDUCATION & CERTIFICATIONS

University of Waterloo

Master of Engineering in Electrical and Computer Engineering

– **Coursework:** Algorithms and Data Structures, Artificial Intelligence, Business Leadership.

Waterloo, ON

2025 – 2027 (Exp.)

Nile University of Nigeria

Bachelor of Science in Computer Science

Abuja, Nigeria

2019 – 2023

DeepLearning.AI

Machine Learning Specialization (Andrew Ng)

Online

2026