

Abiodun Uthman Allison

Lagos, Nigeria

<https://uthmanallison.github.io>

allisonabiodun@gmail.com

LINKS

Github: github.com/alliwene

LinkedIn: [linkedin.com/in/uthmanallison](https://www.linkedin.com/in/uthmanallison)

SKILLS

TECHNICAL

Python

TypeScript

Finetuning LLMs

AI Agents

Software Design

SQL

Bash shell scripting

Node.js

NestJS

FastAPI

REST API development

Redis

SOFTWARE

TensorFlow

Pytorch

LangGraph

Git and Github

Docker

Jira

EDUCATION

SOFTWARE DEVELOPMENT

ELEV8, MICROSOFT

2022

AWS RE/START

AMAZON WEB SERVICES

2021

MS, MATHEMATICS

UNIVERSITY OF IBADAN

2018 - 2021

Dissertation: Optimizing Deep Neural Networks and Classifying Plant Disease using ConvNets

BS, MATHEMATICS

FEDERAL UNIVERSITY OF

AGRICULTURE, ABEOKUTA

2011 - 2015

EXPERIENCE

AWALEDGER | BACK-END ENGINEER

April 2025 – | Remote

- Building an app that transforms paper and handwritten books into structured ledgers for low-digital-literacy MSMEs using Google Cloud Vision (OCR) and LangChain + OpenAI (LLMs) with FastAPI.

•

TOG LAB | BACK-END ENGINEER

August 2022 – March 2025 | Remote

- Architected and maintained scalable NestJS microservices.
- Implemented authentication and authorization workflows using AWS Cognito.
- Modeled relational schemas and performed data access management with Prisma.
- Developed a RAG-based chatbot that utilizes LangChain, TypeScript, React / Next.js, and the corporate website as a knowledge base.
- Integrated Redis for session management and chat history persistence.
- Engineered a multi-agent conversational AI pipeline with Flowise AI and Pinecone vector store.
- Automated document ingestion and vectorization via Python scripts using Unstructured and LangChain.
- Deployed serverless handlers on AWS Lambda triggered by S3 events.
- Built CI/CD pipelines with AWS CodePipeline and defined the infrastructure as code in AWS CDK.

HIIT PLC. | AWS CLOUD INSTRUCTOR

June 2022 – September 2022 | Remote

- Instructed students on AWS core services—including compute, storage, networking, security, and databases—to prepare them for the AWS Cloud Practitioner exam.
- Hands-on sessions were led using both the AWS console and the command line interface to reinforce practical skills.

RURAL FARMERS HUB | MACHINE LEARNING ENGINEER INTERN

Aug. 2020 – Oct. 2020 | Remote

- Annotated farmland boundaries using geospatial imagery on Google Earth during the data collection phase for an automatic farm boundary detection project.
- Executed a satellite imagery preprocessing workflow as part of a computer vision team using Python. The processed images were used to feed a convolutional neural network model to digitally map key soil nutrients.