

Education

University of Ghana, Legon BSc Computer Engineering

Jan 2024 – Present

- First Class Academic Standing
- Key Courses: C++ Programming, Calculus I & II, Linear Algebra, Mechanics, Database Management, Applied Electricity

Skills

- *Programming*: Python, JavaScript, C++, SQL (PostgreSQL)
- *Web Development*: React.js, Django, HTML, CSS
- *Data Analytics*: Pandas, NumPy, Matplotlib, Tableau
- *Hardware*: Arduino, Sensor Systems
- *Collaboration & Tools*: Team collaboration, Git, GitHub
- *Language*: English

Projects / Experiences

GSBE UG Website for Biomedical Engineering Students

Lead Backend Developer | Django, Supabase

- Led the backend development of the GSBE UG student website as part of a team project.
- Designed and implemented database models and authentication systems using Django.
- Successfully deployed the platform, now serving over 40 users in the Biomedical Engineering department.

Educational AI-Integrated Web Platform

Tech stack: Django, React, PostgreSQL, AI with RAG (Retrieval-Augmented Generation).

- Designed and developed a web platform that integrates AI-powered Q&A for students using a custom-built RAG system.

Accra Mobility Prediction Hackathon (Zindi x Yango, 2024)

- Participated in a data science hackathon focused on predicting urban mobility trends in Accra using real-world transport data.
- Applied machine learning techniques for time series prediction and route optimization.

Data Analysis on Kaggle Datasets

- Conducted in-depth exploratory data analysis to identify patterns and trends in diverse datasets.

Deloitte Australia Data Analytics Job Simulation on Forage - May 2025

- Completed a Deloitte job simulation involving data analysis and forensic technology
- Created a data dashboard using Tableau

Credit Union Management System with Django

-Developed a management system using the PostgreSQL database and Django incorporating user authentication and validation.

Security System with Arduino

- Developed an innovative security system incorporating knock-pattern recognition and password verification.

Pharmacy Database Management System

- Designed a relational database for accurate tracking of inventory and financial discrepancies for a local pharmacy.

Extracurricular Activities

- Active school gym membership
- Basket ball

Certifications:

- CS50: Introduction to Computer Science by Harvard (Online)