

Benard Amoateng

Kumasi, Ghana

Email: ambenard2002@gmail.com

Phone: +233 594 980 743

GitHub: github.com/benard2002

LinkedIn: [linkedin.com/in/benard-amokateng](https://www.linkedin.com/in/benard-amokateng)

Portfolio: <https://benard2002.github.io/personal-portfolio/>

Summary

Motivated and detail-oriented **Electrical Engineering undergraduate** with a strong foundation in **software development, web applications, and database management**. Proficient in **Python, JavaScript (Node.js, Express, React), and PostgreSQL**. Passionate about **problem-solving, automation, and building scalable applications**. Seeking an opportunity to contribute my technical skills to an **institutional National Service Training Program** where I can gain hands-on experience and apply my knowledge in a professional environment.

Technical Skills

- **Programming Languages:** Python, JavaScript, C++
 - **Frameworks & Libraries:** Express.js, React, Bootstrap, jQuery
 - **Databases:** PostgreSQL, SQLAlchemy
 - **Web Development:** REST APIs, EJS, HTML, CSS, Axios
 - **Tools & Platforms:** Git, Render, GitHub, Postman
 - **Other Skills:** Web scraping, automation, API integration
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Projects

Book Notes Application (*Capstone Project*)

- Developed a full-stack web application for tracking books read, with **CRUD functionality, ratings, and notes**.
- Integrated **Open Library Covers API** for book cover images.
- Built using **Express.js, PostgreSQL, EJS, and Bootstrap**. ☐ Hosted on **Render** and linked with **GitHub**.

Blog Website

- Created a **blog platform** with **user authentication, post management, and comments**.
- Developed using **Flask, SQLAlchemy, Bootstrap, and HTML/CSS**.

Weather App

- Built a weather application using a **weather API** and **Axios**.
- Implemented **location-based weather updates** with a user-friendly UI.

Automated Tweet App

- Created a Python script to **automate Twitter posts**.
- Integrated Twitter API for scheduling and posting tweets programmatically.

Education

Kwame Nkrumah University of Science and Technology (KNUST)

- **Bachelor's Degree in Electrical Engineering** (*Expected Graduation: 2025*)

Experience

Head of TRATECH

- Leading the **tech community** to foster software development and innovation.
- Organizing **coding sessions, hackathons, and workshops** for students. □
Mentoring and supporting students in software development projects.

Programming Club Leader (Department)

- Conducting **training sessions** on software development and problem-solving.
□ Encouraging **collaborative coding and open-source contributions**.

Certifications & Courses

- **100 DAYS of Python – Angela Yu (Udemy)** (*In Progress, Advanced Level*)
- **Web Development Bootcamp** (In Progress, Advanced Level)
- **Mobile App Development (FLUTTER) - Udemy**

Soft Skills

- Analytical thinking & problem-solving
- Strong communication & teamwork
- Leadership & mentoring
- Adaptability & continuous learning

Languages

- English (Fluent)