

King-Frederick Akyea

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GitHub: <https://github.com/King-Frederick-Akyea> • Portfolio:

<https://portfolio-website-king-frederick-akyeas-projects.vercel.app>

EDUCATION

Bachelor of Science in Computer Science

Kwame Nkrumah University of Science and Technology, Kumasi, Ghana | Expected Graduation date: 2028

- **Relevant Coursework:** Web Development, User Interface Design, Data Structures, Software Engineering
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TECHNICAL SKILLS

- **Front-End:** HTML5, CSS3, JavaScript (ES6+), Responsive Web Design
 - **Frameworks/Libraries:** React.
 - **UI/UX Tools:** Familiarity with Figma.
 - **Version Control:** Git, GitHub
 - **Other Tools:** npm/Yarn, Webpack, Babel, Chrome DevTools
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- **Back-End:** Python, Django, Django REST Framework
 - **Soft Skills:** Problem-solving, attention to detail, teamwork, effective communication, Critical thinking
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RELEVANT PROJECTS

1. Easy Book – Backend Developer

- o **Highlights:** Developed the full backend architecture for EasyBook, a booking platform, using Django and Django REST Framework; implemented RESTful APIs, integrated database models, and ensured secure user authentication and role-based access.
- o **Technologies:** Django, Django REST Framework

2. Company Website – RidgeWood EMB Limited

- o **Highlights:** Designed and implemented the full backend architecture.
 - Built RESTful APIs to support dynamic content and user interactions.
 - Integrated robust database models and implemented secure user authentication with role-based access control.
- o **Technologies:** Django, Django REST Framework

2. Responsive Portfolio Website

- o **Technologies:** HTML5, CSS3, JavaScript
- o **Highlights:** Built a fully responsive personal site showcasing projects; optimized for performance and accessibility; integrated GitHub API to display latest repositories

3. Responsive Dashboard – Firefly IO

- o **Technologies:** HTML5, Tailwind CSS, JavaScript, React, NextJS
- o **Highlights:** Developed a fully responsive instructor profile dashboard, enhancing usability across devices and contributing to an improved user experience.

4. Company Website – RidgeWood EMB Limited

- o **Highlights:** Developed a fully responsive and user-friendly frontend interface.
 - Ensured seamless integration with backend APIs for real-time content rendering.
 - Enhanced the company's online presence through a modern, mobile-optimized design.
- o **Technologies:** HTML5, Tailwind CSS, JavaScript, React, NextJS

ACHIEVEMENTS & ACTIVITIES

Tech Community Involvement

- Member of the KNUST Robotics Club; actively participated in coding workshops and tech networking events.
- Volunteer at **Firefly IO**, Accra – *August 2024*

- Contributed to organizing the **Ghana Robotics Competition** as part of a collaborative team effort.

Leadership & Team Projects

- Served as **Project Lead** in a senior high school group project, successfully managing a team to deliver a working prototype under tight deadlines.

Innovation & Learning Programs

- **Ashesi Innovation Experience**, Participant – *Ashesi University, Ghana | August 2022*
 - Engaged in hands-on problem solving, teamwork, and innovative thinking during a multi-day educational program.

Competitions & Technical Roles

- **Programmer**, Ghana Robotics Competition – Accra, Ghana | *September 2023 (Firefly IO)*
 - Programmed the **Xplore Bot** using MicroPython.
 - Achieved **2nd Runner-Up** position out of several competing teams.

SKILLS AND INTERESTS

- **Programming languages:** Python, Java, C++, JavaScript, C, Django
- **Worked with:** MicroPython, C, JavaScript, HTML, CSS, Arduino, C++, Python, Django
- **Interested in:** Robotics, Entrepreneurship, Design Thinking, Waste Management, Full Stack Software Development, and Machine Learning