

EYIRAM GAZE

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EDUCATION

Ashesi University | BSc. Computer Engineering

Cumulative GPA: 3.52 / 4.00

Berekuso, Eastern Region

Expected Graduation Date: June 2027

Kwame Nkrumah University of Science and Technology | BSc. Computer Science

Cumulative Weighted Average: 75.64 / 100

Kumasi, Ashanti Region

Jan 2023 - Aug 2023

Ghana Christian International High School | General Science (*WASSCE)

Cumulative GPA: 3.68 / 4.00

Dodowa, Accra

Aug 2019 - Sep 2022

ACADEMIC PROJECTS & RESEARCH

Chief Technical Officer, BinPlus | Ashesi University

Jan 2024 - Present

A smart waste management system that uses sensor-equipped bins and a mobile app to monitor waste levels. Aims to address inefficiencies in waste collection by optimizing waste collection routes and schedules in local communities by transmitting waste data to waste collectors.

- Conducted research on existing waste management solutions to identify gaps.
- Developed a prototype of a smart bin with sensors to detect waste levels in real time.
- Led the technical team of 3 developers in product development for the BinPlus project.
- Simulated better waste collection routes for 2 local communities, increasing efficiency and convenience.

Team Programmer, Football Management System | Ashesi University

Dec 2024

Program to simulate team management, fixture creation, and match scheduling for the football league at Ashesi University. Provided statistics on played matches, such as scores, goals, and team rankings.

- Liaised with the Ashesi Football Association to identify and address inefficiencies in the football league.
- Collaborated closely with 3 other team members to properly implement code design and refactor necessary code, adhering to program requirements and coding practices.
- Identified and resolved errors to ensure the system's reliability by conducting tests in real-time.

Team Member, Fuzzy Logic Traffic Control | Ashesi University

Dec 2024

A simulation based project designed to optimize traffic timing at an intersection. A system that dynamically adjusts traffic light signals based on real-time traffic density, improving efficiency compared to the traditional fixed timed traffic system.

- Collaborated with two other team members to implement a traffic control system using fuzzy logic.
- Developed a custom fuzzy decision-making algorithm without pre-built libraries.
- Integrate Python and Arduino to simulate real-world traffic conditions.

Programming Lead, Miniature Shuttle Project | Ashesi University

April 2024

A shuttle prototype designed to deliver a payload in space, that involved designing control system operations, including sensors, motors, and communication systems.

- Programmed sensor system of the miniature shuttle, ensuring data collection and functionality.
- Managed integration of 5 components, including sensors, motors, and communication systems, to achieve functionality.
- Applied engineering principles and problem-solving techniques to create a real working model.

CO-CURRICULAR ACTIVITIES

Captain, Elites Football Team | Ashesi University

Jan 2025 - Present

- Led the team to multiple victories through dynamic leadership and in-game motivation.
- Served as leadership figure on the pitch, ensuring team coordination and morale.

Member, Student Council Entertainment Committee | Ashesi University

Feb 2025 - Present

- Collaborated with team members in planning and organizing Ashesi Student Council (ASC) events to enhance student engagement and campus life.

SKILLS

Programming Languages: Moderate Python Proficiency, Intermediate Java

Intermediate Proficiency in Microsoft Suite

Touch Typing