

Joseph Mawule Mensah

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EDUCATION

Central University

Bachelor of Science in Computer Science

Feb 2023 – present

Accra, Ghana

- **Relevant Coursework:** Open Source and System Administration, System Analysis and Design, Database Concepts I and II, Java, Object-Oriented Programming, Visual Basic .Net, C++, Discrete Mathematics, Statistics and Probability, Numerical and Linear Algebra.

PROJECTS

Curve Booking Project [🔗](#)

Apr 2025 – Aug 2025

- Collaborated with a team to build **Curve Booking**, a multi-platform solution (mobile app, web app, admin dashboard) enabling Ghanaian students to search and book university hostels and apartments.
- Developed core features of the **Flutter**-based mobile application using Dart, including user-friendly search interfaces, filterable hostel listings, and a responsive image carousel, enhancing accessibility for Android and iOS users.
- Integrated **RESTful APIs** for real-time hostel data and optimized performance with shimmer loading effects, reducing load times by ~15% and ensuring a seamless user experience.

Heart Health Tracker & AI Risk Predictor [🔗](#)

Nov 2025 – Dec 2025

- **Developed a medical-grade Flutter application** following **MVC architecture** as the primary developer in a cross-functional team, collaborating with a **Data Engineer** for ML integration and a **UI/UX Designer** for interface implementation.
- **Integrated a custom Machine Learning API** (FastAPI/AWS EC2), mapping 13+ clinical variables into a robust communication layer that delivers real-time heart disease risk assessments with precise error handling.
- **Engineered a professional reporting module** using the pdf and printing packages, enabling users to transform digital prediction results into structured, exportable PDF reports for medical consultations.
- **Project Link:** Download/View Project [🔗](#)

TESCON [🔗](#)

Jun 2026 – Jul 2026

Developed **TESCON**, a cross-platform Flutter mobile application connecting members, executives, and campus chapters through centralized access to news, events, announcements, job opportunities, polls, notifications, and live chat. Built a secure **REST API** and comprehensive **React admin dashboard**, implementing authentication, role-based access control, CRUD operations, media uploads, activity tracking, and content-management tools for administrators. Crafted a responsive, user-friendly **Material Design UI/UX** with real-time data updates, push notifications, biometric authentication, advanced search and filtering, and optimized asynchronous operations for a smooth experience across Android, iOS, and web.

SKILLS

Mobile Development

Flutter, Dart, Firebase (Authentication, Cloud Firestore), RESTful APIs, Provider, Riverpod, Postman.

Web Development

WordPress (theme development, plugin integration), HTML, CSS, JavaScript.

Programming Languages

Dart, C++.

Database Management

MySQL, Hive.