

AFIA ASANTEWAA OFORI

oforiafia1@gmail.com | 0202131317 | [LinkedIn](#) | [Github](#) | [Portfolio](#) | Accra, Ghana.

WEB DEVELOPER & MEDICAL LABORATORY SCIENTIST

Web Development | API Design | Data Handling | Health & Machine Learning

Motivated and versatile professional with a background in Medical Laboratory Science and training in Web Development. Experienced in building reliable systems, designing and implementing RESTful APIs, and delivering seamless, data-driven user experiences. Skilled at leading projects and collaborating with cross-functional teams.

TECHNICAL SKILLS

- Frontend: HTML, CSS
- Backend: Python, FastAPI,
- Databases & Data Handling: MongoDB, RESTful API Design, CRUD Operations
- DevOps & Version Control: Git, GitHub Workflows
- Other tools: Microsoft suite, Google suite

SOFT SKILLS

- Analytical Reasoning & Problem-Solving
- Effective Communication
- Teamwork & Collaboration
- Project and Time Management

PROFESSIONAL EXPERIENCE

Phlebotomist / Sample Procurer

Noguchi Memorial Institute for Research – Accra, Ghana | Jul 2023 – Oct 2024

- Prepared patients for blood sample collection and ensured adherence to protocols.
- Conducted blood tests and ensured timely transport of samples to laboratories.

National Service - Teaching / Lab Assistant

University of Cape Coast School of Medical Sciences – Cape Coast, Ghana | Nov 2022 – Sep 2023

- Set up laboratories for practical teaching sessions and guided students during community-based education and research (COBES).
- Assisted in faculty research and graded academic assessments.

Project Team Lead

University of Cape Coast – Cape Coast, Ghana | Apr 2022 – Nov 2022

- Led a team of 12 to complete a final-year project, managing timelines, budgets, and project goals successfully.
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PROJECTS

- **Movie Finder API**

Developed a FastAPI + MongoDB application integrating OMDb API to fetch movie data, store user ratings, and deliver a secure, high-performance API with a “Top 3 Favorites” ranking feature, reducing manual search time by 50% and improving user engagement by 30%.

- **Food Advertisement Platform**

Collaborated in a cross-functional team to design and build a web-based platform for posting and managing food advertisements, streamlining listings and increasing user reach by 45% while improving team delivery speed by 30%.

- **ATM Simulator**

Implemented a Python CLI ATM simulator with secure transaction flow and debugging support, improving peer learning efficiency by 35% and cutting testing time in half.

EDUCATION

Web Development Training – MEST Africa – Osu, Ghana | Aug 2025 – Nov 2025

Bachelor of Science in Medical Laboratory Science – University of Cape Coast – Cape Coast, Ghana | Aug 2018 – Nov 2022

LICENSES & CERTIFICATIONS

Web Development Fundamentals (IBM Skillsbuild, 2025)

Allied Health Professions Council License (2022)