Emmanuel Samuel Coleman

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Education

CENTRAL UNIVERSITY
Bachelor of Science in Information and Technology
Dawhenya, Tema
2023-2026

Actively developing practical skills in information security and IT systems.

SWEDRU SECONDARY SCHOOL
Diploma In Visual Arts
Swedru, Central Region
2018-2022

Experience

Hydroficient Cyber Defense Extern
Extern
Remote
February - March,2026

- Assisted in monitoring and analyzing simulated cyber threats and security incidents.
- Gained hands-on exposure to SOC operations, threat detection, and incident response workflows.
- Collaborated remotely with a distributed team using industry-standard security tools.

Cyber Security Analyst Intern
Webacy
Remote
October - October,2025

- Performed entry-level security analysis and vulnerability assessments.
- Documented findings and contributed to internal knowledge bases.
- Developed foundational skills in cybersecurity analysis and reporting.

Cyber Security Analyst Intern
Webacy
Remote
November-November 2024

- Analyzed blockchain-related security risks and smart contract vulnerabilities.
- Conducted research on Web3 threats and assisted in risk reporting.
- Supported security awareness and documentation efforts.

Projects

IoT Security (Hydroficient Simulation) - AI anomaly detector

February-March 2026

- Developed a real-time security dashboard (Streamlit) to monitor pipeline health, detect anomalies, and visualize system threats. Identified vulnerabilities such as eavesdropping, spoofing, replay attacks, and denial-of-service (DoS)
- Conducted security testing and attack simulations (including replay attacks), and evaluated TLS performance to identify vulnerabilities and strengthen system defenses

Technologies Used: Python, JSON, Pandas, Streamit, Machine Learning(anomaly detection), Data Analysis. AI-assisted Development (claude,chat GPT and Gemini)

Outcome: Built and validated an end-to-end IoT security system that simulates real-world infrastructure, detects anomalies, and protects against attacks such as spoofing and replay attacks

Additional

Language Skills: English Fluent
Technical Skills: Programming(Python), Data Analysis (Pandas, JSON), AI and Analytics(Threat Detection)