Edward Mwaura

COMPUTER SECURITY AND FORENSICS | CYBERSECURITY ATTACHMENT

Kenya | edwardmugo@proton.me | github.com/HuginnsHammer
linkedin.com/in/edwardmugo

PROFILE

Computer Security and Forensics student at Meru University of Science and Technology.
Interested in security engineering, infrastructure security, and AI application security.

EDUCATION

Bachelor of Science in Computer Security and Forensics

Meru University of Science and Technology, Kenya

SELECTED PROJECTS

LLMShield - AI application security gateway

- Built a FastAPI gateway prototype with heuristic checks for prompt injection, PII, and selected secret formats; added policy decisions and response inspection.
- Added a deterministic mock provider, SQLite audit metadata, optional API-key checks, a React dashboard, Docker Compose setup, tests, linting, and CI frontend build.

CloudSentry - static configuration scanner

- Implemented 10 documented rule IDs across Terraform, Dockerfiles, and Compose.
- Findings include severity, evidence, source location, impact, and remediation.
- Added positive/negative tests and CI for Python 3.12/3.13, lint, and frontend build.

Fibonacci algorithms - C++ team coursework

- Compared recursive, iterative, and memoized Fibonacci implementations and timing.

TECHNICAL SKILLS

Languages: Python, C++, HTML, CSS, JavaScript/TypeScript
Tools: Linux, Git/GitHub, FastAPI, pytest, Docker, Terraform review, Nmap, Wireshark/tshark, Ghidra, YARA

INTERESTS

Security engineering, cloud and infrastructure security, AI application security, digital forensics.

Project status and limitations are documented in the linked repositories.