ADJEI YAW OSEI

Kumasi, Ghana ◇ adjeiyawosei@gmail.com ◇ linkedin.com/in/yawosei/ ◇ github.com/yoadjei

EDUCATION

BSc. Computer Science, Kwame Nkrumah University of Science and Technology   **3.33**/4.0 GPA   *Expected Graduation: Nov 2027*

Relevant Coursework: Intro to Cybersecurity, Computer Science I, Computer Science II, Information Security

SKILLS & CERTIFICATIONS

SIEM & EDR: Splunk, Wazuh, Windows Defender ATP

Network Analysis: Wireshark, Snort, Zeek, TCP/IP, DNS

Operating Systems: Windows, Linux (Ubuntu)

Security Monitoring: Log Analysis, Threat Detection, Incident Triage, MITRE ATT&CK Mapping, Threat Modelling

Languages: Python, SQL, Bash, PowerShell

Frameworks: NIST CSF, MITRE ATT&CK, OWASP

Certifications: CompTIA Sec+ (**In Progress**), Google CSP, ISC^2 CC

PROFESSIONAL EXPERIENCE

Ideation Axis   *Sept 2024 - Dec 2024*
SOC Tier 1 Intern   *Greater Accra, Ghana*

• Investigated 500+ daily events via Splunk and Wireshark; escalated 30+ verified threats and improved triage speed by refining alert-handling protocols.

• Parsed 10+ GB of PCAP and log data to detect anomalies, surfacing 250+ indicators of compromise and contributing to threat-hunting initiatives.

• Built Python automation tools to process system logs from Linux and Windows hosts, cutting manual log review time by 50% and improving detection accuracy.

Center for Cyber Security Studies & Research   *May 2024 – July 2024*
Cybersecurity Analyst   *Remote*

• Designed and documented incident response playbooks mapped to MITRE ATT&CK, streamlining escalation procedures and improving threat classification in simulated SOC drills.

• Conducted threat intelligence analysis on phishing and malware campaigns; correlated IOCs across simulated environments using Wireshark and open-source feeds.

PROJECTS

Text Encryption with AES | Personal Project (~45 hours) | [GitHub Repo](#)   *July 2024 – Oct 2024*

- Implemented a file encryption tool using AES-CBC with secure key/IV rotation to safeguard sensitive data at rest.
- Integrated CLI automation and detailed logging to enable secure archival of log files and system artifacts in local testbeds.
- Applied tool in internal sandbox projects to protect vulnerability reports, audit logs, and session captures.

Network Sniffer for Security Research | Personal Project (~60 hours) | [GitHub Repo](#)   *Sept 2024 – Jan 2025*

- Built a custom packet sniffer to capture and parse 5,000+ packets per session with real-time protocol identification (Ethernet, IP, TCP, UDP).
- Integrated smart traffic filters and basic anomaly detection, reducing manual packet analysis time by 50%.
- Employed in custom lab setups to detect and analyze ARP spoofing, SYN floods, and unauthorized port scans.

Network Traffic Analyzer | Team Project (~79 hours) | [GitHub Repo](#)   *Jan 2025 – April 2025*

- Engineered a real-time intrusion detection system using statistical Z-score thresholds to flag anomalous traffic in 5 GB+ of packet data.
- Designed an automated alerting pipeline (Slack/email) to simulate live incident response workflows in SOC environments.
- Reduced analyst triage time by optimizing detection logic and minimizing false positives in structured testing scenarios.

LEADERSHIP & ACTIVITIES

Mentor, CSS-KNUST Andzie-Led Administration

- Mentored first-year students, providing academic support, career guidance and skill development. Assisted in their course selection, boosting their confidence and organized biweekly study sessions and improving their adaptability.

Program Coordinator, KNUST Cybersecurity Club

- Led three workshops (Python scripting, Network Defense) and hackathons, training 50+ members in cybersecurity. Guided KNUST's team to 124th out of 1,128 in their first-ever event in Hack The Box University CTF 2024. Boosted the club's engagement through knowledge-sharing and industry collaborations.