WILLIAM KITUNGO

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Professional Summary

Motivated and detail-oriented Bachelor of Science in Information Security and Forensics student with a strong foundation in network security principles and digital forensics. Skilled in Python, Linux and TCP/IP networking, with hands-on experience gained through academic projects like developing a custom packet analyzer tool. Certified in ICDL Core Digital Literacy skills, demonstrating strong technical competence. Possess excellent analytical abilities and a passion for identifying and mitigating cybersecurity threats. Seeking to leverage my technical expertise and problem-solving skills in an entry-level cybersecurity role, where I can contribute to protecting critical assets and enhancing organizational security.

Education

Kca University 2023 - 2026
Bachelor of Science: Information Security and Forensics.

Cybershujaa 2025 - Ongoing
Cisco Ethical Hacker Certificate.

Cisco Instructor-led (KCAU) 2024
Networking Essentials Certification.

Alison 2024
Diploma in Digital Forensic Investigation.

Mount Kenya University 2023
ICDL Certificate.

Zalego Academy 2022
Android Application Development.

Kitondo School 2019 - 2022
KCSE Certificate.

Soft Skills

- Creativity
- Communication
- Critical thinking
- Problem solving.

Technical skills

Tools & Utilities:

- Packet Tracer
- Android Studio
- VS Code
- Replit
- Anaconda
- QGIS
- Git
- Nmap
- Wireshark
- Burpsuite.

Languages:

- HTML 5
- CSS
- Javascript
- C
- C++
- Python
- Java
- Kotlin

Projects

1. Packet Analyzer Tool (Academic Project. Jan 2025)

Developed a custom packet analyzer in Python using Scapy to capture and analyze network traffic in real-time, with filtering for TCP, UDP and ICMP protocols and extraction of key metadata such as IPs, ports and payloads. Implemented statistical analysis features, including per-protocol packet counts and bandwidth metrics, with structured console output and validated accuracy against known network streams in a controlled lab environment.

2. Link Vulnerability Scanner (Academic Project. Dec 2024)

Developed a Python-based website vulnerability scanner with a Tkinter GUI, featuring HTML/JavaScript code analysis, SQL Injection and XSS payload testing and VirusTotal API integration. Validated the tool by scanning multiple test sites and successfully detecting potential vulnerabilities in simulated environments.

3. Data Extractor & Backup Tool (Academic Project. 2024)

Created a Python-based automation tool to streamline data extraction and secure file backups. Incorporated features for error handling, logging and verification to maintain data integrity. Optimized the system for flexible use across multiple file types, emphasizing reliability, scalability and practical applications in data management.

References

Available upon request.