Wilson wambua

Marketing Manager

📞 Contact

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📍 Machakos , kenya

👤 About Me

I'm a passionate Cybersecurity Enthusiast and Consultant dedicated to protecting digital systems and solving complex security challenges. I thrive under pressure, enjoy working in collaborative teams, and love taking on hands-on cybersecurity projects such as penetration testing, network defense, and digital forensics to strengthen organizational security.

🧩 Skills

- Python
- Network security
- Penetration testing
- linux administration
- Critical Thinking
- sql

Java

🎓 Education

Bachelor of education in information security and forensics
Kca university
ONGOING

2023 - 2026

Kenya Certificate of Secondary Education
Mumbuni boys high school

2019 - 2022

Kenya Certificate of primary education
Mary immaculate

2006 - 2018

Finished and got my certificate

💼 Experience

cybersecurity projects
wilson home lab

2016 - 2020

- Network Intrusion Detection System (IDS): Developed and configured a Python-based IDS to monitor and detect malicious traffic.

- Phishing Detection Tool: Created a web-based system that identifies phishing URLs using machine learning.Secure File Transfer Application:

- Designed an encrypted file transfer tool using AES and RSA encryption.Vulnerability Scanner: Built a lightweight network scanner to identify open ports and system vulnerabilities.

Labs Experience
Try hack me

2019 - 2020

Gained practical skills through guided lab exercises and simulations:

- Conducted penetration testing on virtual environments using Kali Linux, Metasploit, and Wireshark.

- Performed malware analysis, network monitoring, and incident response activities.

- Configured firewalls, routers, and IDS systems to strengthen network defenses.

- Practiced digital forensics and log analysis to trace system breaches.

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📖 References

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