

JOSHUA MAINA

Cybersecurity Technician | IT Practitioner

+254-790-611760

joshuamaina83@gmail.com

www.JoshuaMaina.com



SUMMARY

I am a passionate 22-year-old student currently enrolled in a Bachelor of Science program in Information Technology, awaiting graduation. My passion lies in the field of cybersecurity. I am currently undertaking a three-month internship as a Security Analyst, where I am gaining practical experience and deepening my understanding of these fields. My ultimate goal is to become an expert in IT and cybersecurity, and I am actively seeking job opportunities that will allow me to apply my skills, continue learning, and contribute to the security of information systems.

EDUCATION

KCA University

Bachelor's Degree in Information Technology
2020 – 2024
Awaiting Graduation in December

Consolata High School

Graduated with a Mean Grade of B-
2017 – 2019

CERTIFICATIONS

- EC-Council Certified Cybersecurity Technician (C | CT)
- Cisco Network CyberOps Associate
- Certification in Graphic Design (Photoshop, InDesign, Illustrator)

CONTACTS

- Email: joshuamaina83@gmail.com
- Phone Number: +254 790611760
- Address: 6681-00100 G.P.O Nairobi ,Kenya
- LinkedIn: www.linkedin.com/in/joshuamaina
- GitHub: <https://github.com/joshmainaa7>

PROFESSIONAL EXPERIENCE

Security Analyst Intern

Foresight Tech Group | May 2024- Present

- Trained in SSH configurations on Virtual Private Servers and Networks.
- Gained hands-on experience with host-based firewalls.
- Applied security best practices: disabling unnecessary services, configuring firewalls, securing web servers.
- Conducted system audits and vulnerability assessments using IDS software and platforms
- Assisted in hardening and securing web server systems: Ubuntu, Nginx, Apache.

Data Annotator (Part-Time)

CloudFactory Inc | 2023 - 2024

- Trained in data annotation using Expensify.
- Gained insights from experienced trainers on best practices and industry standards.
- Participated in practical exercises and simulations to enhance annotation skills.
- Successfully completed assessments validating competency in data annotation and quality control.

Research Assistant and Data Collector

Partnership For Economic Policy | 2015 - 2016

- Participated in a training program sponsored by Partnership for Economic Policy, focusing on data collection and research methodologies.
- Coordinated data collection activities, including method design, sourcing information, and maintaining data accuracy.
- Applied effective communication skills during interviews to ensure accurate data collection.
- Adapted swiftly to evolving project needs, showcasing flexibility and resilience in dynamic research settings.

SECURITY SKILLS

Administrative Controls

- Windows Group Policy: Implementing password policies and security.
- Auditing Policies: Tracking user activities for compliance.
- Network Policies: Safeguarding network infrastructure and data.
- Network Traffic Analysis: Using Wireshark and tcpdump.
- Network Scanning: Identifying hosts with nmap.
- Event Logs: Configuring and analyzing Windows Event Logs.

Offensive Security Techniques:

- MITM Attacks: Using Cain & Abel.
- MAC Flooding: Using macof.
- DoS Attacks: Using hping3.
- SQL Injection: Using sqlmap.
- Password Auditing: Using John-the-Ripper.
- WPA2 Cracking: Using Aircrack-ng.

Vulnerability Research and Assessment:

- Data Collection: Using advanced search techniques.
- Vulnerability Analysis: Researching CVEs.
- Tools: OpenVAS and Greenbone Security.

Cryptography:

- Hash Calculation: Using HashCalc and MD5 Calculator.
- Encryption/Decryption: Using BCTextEncoder.

Malware Development and Analysis:

- Trojan/Virus/Worm Creation: Using various tools.
- System Monitoring: Using Spytech SpyAgent.

Intrusion Prevention and Detection:

- Firewalls: Using iptables (Linux) and Windows Firewall.
- Network Firewalls: Deploying pfSense.
- IDS: Implementing Splunk for log analysis.
- Malicious Traffic Detection: Using HoneyBOT.
- VPN Setup: Establishing secure connections.

REFERENCES

- Mrs.Jacqueline Mumbi Gitau
- Delivery Manager
- CloudFactory
- Email:Jacqueline.mumbi@cloudfactory.com
- Mobile No;+254723987496

TECHNICAL SKILLS

Programming Languages:

HTML,CSS, Python, JavaScript, Google Firebase

- Proficient in Python for scripting.

Web Development:

- Proficient in HTML, CSS, and JavaScript.
- Developed web applications with AI components.

Database Management:

- Google Firebase: Backend services, cloud infrastructure, authentication, and deployments.
- Microsoft Access: Designing relational databases, creating tables, queries, forms, and reports.
- SQL: Writing and optimizing queries, performing data manipulation.

Operating Systems:

- Windows: Installing, configuring, troubleshooting, managing user accounts, using administrative tools.
- Linux (Ubuntu, CentOS): Installing, configuring, using CLI for system administration tasks.

SOFT SKILLS

- Analytical and Problem-Solving: Excellent at analyzing issues and finding effective solutions.
- Attention to Detail: Strong focus on accuracy, even under pressure.
- Networking Technologies: Good understanding of the latest networking tech and secure network architecture.
- Communication: Able to explain complex information clearly and confidently.
- Proactive Learner: Eager to learn new technologies and stay updated.

PROJECTS

- AI-Powered Car Ecommerce Web App: Developed using HTML, CSS, JavaScript, and Google Firebase for backend management.
- Nmap-Python Network Scanner: Script automating Nmap commands, showcasing Python integration with Nmap on Kali Linux.
- Python Password Cracker: Utilized encryption methods to decrypt passwords for unauthorized access.
- Python File Encrypter: Implemented cryptographic algorithms to secure sensitive data by encrypting files.
- PenTest Lab Setup: Configured Kali Linux and Metasploitable for personal PenTest training environment.
- Phishing Link Scanner: Developed with Python to differentiate between legitimate and fake websites, enhancing internet security.
- Portfolio Website: Showcasing skills and aspirations through HTML and JavaScript.
- Visit my GitHub profile for more details: github.com/joshmainaa7