

# JOSHUA MAINA

Cybersecurity Technician | IT Practitioner

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## 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

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- LinkedIn: [in/joshuamaina](https://in.linkedin.com/in/joshuamaina)
- GitHub: [github.com/joshmainaa7](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 | May 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 | October 2022- May 2023

- 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

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## 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

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

# TECHNICAL SKILLS

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## 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

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- 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

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- 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](https://github.com/joshmainaa7)