





# KENNEDY MAINA

+254794473044 

mainakennedy28@proton.me 

Nairobi, Kenya 

linkedin.com/in/maina-kennedy-7aaa10376 

Cybersecurity Analyst | OSINT Specialist | Ethical AI for Protection | Software & Automation Engineer

## PROFESSIONAL SUMMARY

Cybersecurity Analyst with 2+ years of experience in data analysis, web penetration testing, ethical hacking, and Linux systems administration. Proven ability to detect, analyze, and mitigate security incidents using threat hunting, vulnerability assessment, incident response, and open source intelligence techniques. Proficient in penetration testing and web application security assessments. Passionate about ethical AI, blockchain technology, and automation engineering, with continuous learning through PLP Academy, TryHackMe, The Odin Project, Cisco Network Academy, Hack The Box, and HackerOne.

## TECHNICAL SKILLS

1. Security Tools: Wireshark, Nmap, Nessus, Burp Suite, Metasploit, Kali Linux, ELK Stack
2. Operating Systems: Linux (Ubuntu, Kali), Windows
3. Penetration Testing: Web Application Security, Network Penetration Testing, Exploit Development, Vulnerability Scanning
4. Languages: Python, Bash, SQL, HTML, KQL, CSS, JSON
5. Protocols: TCP/IP, HTTP/HTTPS, DNS, DHCP
6. Cloud Security: AWS, Azure, Elastic
7. Incident Response: SIEM Monitoring, Threat Intelligence, Log Analysis, Forensics
8. Other: OSINT, Threat Hunting, Risk Assessment, Network Security, Data Analysis

## EDUCATION AND TRAINING

### TryHackMe - Cybersecurity Learning Platform

- Completed multiple courses in Web Application Security, Penetration Testing, Networking, and Incident Response.
- Hands-on practice in exploiting and defending against real-world security threats in virtual environments.

## PROFESSIONAL EXPERIENCE

### IMS - Cyber Intelligence Agency 2025

Founded IMS Cyber Intelligence agency dedicated to:

1. Threat Anticipation: Use AI and behavioral analytics to forecast and preempt emerging cyber threats.
2. Inclusive Security: Extend cyber defense capabilities to small businesses and critical infrastructure sectors.
3. Collaboration First: Facilitate secure, real-time information exchange with tech companies, research institutions, and governments.
4. Digital Diplomacy: Engage in policy influence and cyber norm-building on the international stage.
5. Capacity Building: Train a diverse and highly skilled cyber workforce through a global fellowship and certification program
6. Partner with legal aid groups and digital rights organizations to provide ethical escalation channels and victim support..
7. Advocate for ethical use of technology in underserved communities, bridging technical innovation with grassroots digital empowerment.
8. Lead cross-functional coordination between developers, researchers, and community leaders to build sustainable and mission-driven tech solutions.

## **The Odin Project – Full Stack Web Development & Cybersecurity Fundamentals**

- Gained proficiency in web technologies such as HTML, CSS, JavaScript, and SQL while learning security best practices for web development.
- Completed practical labs in ethical hacking, penetration testing, and threat intelligence.

## **HackTheBox & Cisco Network Academy 2025 –present**

- Gained proficiency in capture the flag(CTF) events. Completed practical labs in ethical hacking, penetration testing, and threat intelligence.

## **HackerOne - Bug Bounty program 2024 – present**

- Testing web applications for bugs and vulnerabilities. Participating hackathon events.
- Brand ambassador for HackerOne to help growing institutions and individuals

## **Power Learn Project Academy**

- Learnt Software Engineering with adept skillset in software engineering essentials, database management, web development, entrepreneurship and personal development.
- Learnt blockchain technology and cryptography and its purpose in today's technology.
- Hands on AI Safari essentials and prompt engineering.

## **Projects**

- 1.Developed a custom reverse image search platform using AI and OSINT techniques to track image misuse across the web.
- 2.Created an environmental intelligence software tailored for developers and interested parties seeking reliable monitoring solutions.
- 3.Participated in UNEP Hack4Env hackathon in developing a data-driven digital solutions to tackle the triple planetary crisis.
- 4.Building the IMS Cyber Intelligence Agency website with cross-site integration with real time data fused with AI.
- 5.Developing automation tools using n8n to help with my daily tasks.
- 6.Built a home lab.

## **SOC Intern Analyst Wissafrica.org | January 2023 to December 2024**

- 1.Performing 24/7 monitoring and analysis of security events using SIEM platforms to identify potential threats and security incidents.
- 2.Investigating and responding to cybersecurity incidents, including malware infections, unauthorized access, and network intrusions.
- 3.Collaborating with network and system administrators to remediate vulnerabilities and ensure secure system configurations.
- 4.Conducting vulnerability assessments and manage the patching of critical security flaws across internal systems and applications.
- 5.Providing detailed analysis reports on security incidents, suggesting improvements to prevent future occurrences.
- 6.Assisting with ongoing risk assessments and audits to ensure compliance with security policies

## **Cyber Security Intern**

## **Micheone Agencies | May 2022 - December 2022**

- 1.Assist in penetration testing engagements to assess the security posture of internal and external web applications and networks.
- 2.Utilize tools such as Burp Suite and Nmap to identify vulnerabilities and perform manual exploits on web servers and networks.
- 3.Provide actionable reports detailing security vulnerabilities and remediation steps to development and network teams.
- 4.Monitor network traffic using Wireshark, Snort and other tools to detect anomalies and suspicious activities.
- 5.Assist in the development of incident response protocols and improve SOC procedures for faster threat containment.
- 6.Contribute to the design and implementation of secure Linux-based servers and networks.

## **PERSONAL OBJECTIVES AND ACHIEVEMENTS**

- 1.Founder of IMS Cyber Intelligence Agency where I help emerging companies and businesses bridge the cyber security gap.
- 2.Creating and running Hackathon events. Built and manage my home lab for ethical hacking and penetration testing.
- 3.Built and running an Intrusion Detection System to scan my network against any external threats.
- 4.Teaching students on programming languages such as Python and Scratch.

## REFERENCES

Available upon request.

## ADDITIONAL INFORMATION

1. Competent team player and a fast learner. Fluent in English and Swahili (Written & Spoken)
2. Strong attention to detail and proactive in identifying emerging threats
3. Excellent teamwork, communication, and documentation skills
4. Regular participant in Capture The Flag (CTF) challenges and hacking competitions
5. Volunteer at The Presidents Award Program under Duke of Edinburg.