

# MOFFAT GICHURE MAINA

Software Developer | Cybersecurity Analyst | Web Pentester

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■ Portfolio Website | ■ LinkedIn | ■ Twitter | ■ GitHub

## PROFESSIONAL SUMMARY

Innovative and self-driven Software Developer and Cybersecurity Analyst with strong expertise in web and mobile application development, secure coding, and system penetration testing. Certified Web Pentester (Hackviser) with practical knowledge of identifying and mitigating system vulnerabilities. Experienced in managing client-centered projects, leading development teams, and integrating cybersecurity into software solutions.

## KEY SKILLS & COMPETENCIES

Programming: Java, Python, C++, C, PHP, JavaScript, HTML, CSS, SQL

Frameworks: React, Django, Flask, Node.js, Spring

Databases: SQLite, MySQL

Cybersecurity: Penetration Testing, Wireshark, Firewalls, Cisco Packet Tracer, SSL/TLS, IPsec VPNs

AI/ML: TensorFlow, NumPy, Pandas, Prolog

Mobile Development: Android (Java/Kotlin), iOS

Version Control: Git, GitHub

CI/CD Tools: Azure Pipelines, Apache

Soft Skills: Leadership, Client Communication, Risk Management, Fast Learning

## CAREER OBJECTIVE

To leverage my combined expertise in software development and cybersecurity analysis to design, test, and deploy secure systems that protect organizations from evolving cyber threats while delivering reliable, user-friendly digital solutions.

## EDUCATION

Laikipia University (Main Campus), Nyahururu — BSc Computer Science (2019–2023)

- Designed IoT Smart Irrigation System
- Huawei ICT & Cisco Networking Certifications

Mukurwe High School, Central Kenya (2015–2019)

- Science Symposium & Innovation Club
- School President, Student Council

## CERTIFICATIONS & TRAININGS

- Certified Web Pentester – Hackviser (2024)
- Cisco Networking & Cybersecurity Certification
- Huawei Networking & Robotics Certification
- Java Spring Framework
- Android App Development & Mobile Systems Security

## PROJECTS

1. Ekart – Restful Web Application: Django, REST API, MySQL, Google Maps API
2. Kwangu Agencies – Rental Management Platform: React, Django, Google Maps
3. Deep Learning COVID-19 & Pneumonia Detection: TensorFlow, Python
4. Arduino Control via Web Server: HTML, JS, Arduino IDE
5. NoSQL Data Migration Project: MongoDB, MySQL, Python

## LEADERSHIP & EXPERIENCE

Freelance Developer & Security Consultant (2020–Present)

- Delivered projects via Fiverr & Upwork
- Conducted system security audits

Team Lead – Academic Projects (Laikipia University)

- Supervised IoT & web development teams
- Mentored peers in Git & SDLC practices

## STRENGTHS

- Leadership and collaboration
- Analytical and risk assessment
- Technical & non-technical communication
- Adaptability to new technologies
- Client-focused solutions development

## REFERENCES

Available upon request.