

Kitso Knowledge Matlaila

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SUMMARY

Ambitious Information Technology student with a growing focus on ethical hacking, AI-assisted full-stack development, and blockchain technologies. I am interested in bridging software development and digital security by building intelligent, security-aware systems and exploring ways to automate threat detection. With a solid foundation in Python and a strong interest in cloud and application security, I am seeking an internship or junior role where I can apply my hands-on projects, continue learning, and contribute to real-world security challenges.

EDUCATION

DC Marivate Secondary- 2022

- **National Senior Certificate: Bachelors Pass**

Sefako Makgatho University-2023-2024

- **Bachelor of Science in Physical Sciences**

Belgium Campus Itversity-2025-Present

- **Bachelor of Informational Technology**

CERTIFICATIONS & CONTINUOUS LEARNING

- Artificial Intelligence: Oracle Certified Foundations AI Associate
- Cloud Security: Securing Generative AI (AWS), Automating Cloud Security Posture (AWS)
- Forage Professional Simulations: PwC Cybersecurity Consulting, Deloitte Cyber Job Simulation
- Software Engineering: WeThink Code_ GenAI for Software Engineers
- Specialized: Malware Analysis on AWS
- SPLUNK: Cybersecurity landscape
- GeeksforGeeks: iOS Development for Beginners: Master Swift & App Building

SKILLS

Soft & Technical Skills	Cybersecurity & Systems	Programming & Development
<ul style="list-style-type: none">• Problem-solving• Logical thinking• Debugging & troubleshooting• Documentation• Team collaboration & learning mindset	<ul style="list-style-type: none">• Ethical Hacking fundamentals• Security-aware system design• Threat detection concepts• Secure coding principles• Basic networking concepts	<ul style="list-style-type: none">• Python• SQL• HTML & CSS• C#• JavaScript• Powershell

PROJECTS

AI Threat Detection Tool (ML/Security) * Developed a Python-based system to monitor network traffic for suspicious patterns.

- Applied Detection Thinking to reduce false positives in identifying unauthorized access attempts.

SecureChain Access Monitor (Blockchain/Security) * Designed a decentralized access control system using Ethereum smart contracts.

- Integrated Etherscan for transparent auditing of permission changes within a network.

KFX Trading Bot (Automation/FinTech) * Engineered a bot using Python to automate trading strategies based on "smart money" concepts.

- Implemented strict risk management protocols to protect capital during high volatility.

INTERESTS

Hackathons: Competing in capture-the-flag (CTF) events and AI builds.

Innovation: Exploring the intersection of AI and Ethical Hacking.

Community: Developing educational content for the Cyber Awareness Platform.

REFERENCES

Simba Zengeni – *Belgium Itiversity Lecture*

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