

# Kitso Knowledge Matlaila

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## SUMMARY

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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

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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

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

## 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 Itversity Lecture**

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**Carlifornia Kopano Sebyeng -Mentor**

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