

Ruvimbo Mashinge

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EDUCATION

Chinhoyi University of Technology

Master of Science in Big Data Analytics

Chinhoyi, ZWE / May 2024

University of Zimbabwe

Bachelor of Science Honours Degree in Computer Science

Harare, ZWE / September 2021

SELECTED PROJECTS

Malicious URL Prediction Model

- Developed a Malicious URL Prediction Model using supervised machine learning and strategic feature engineering to enhance threat detection accuracy while minimizing overfitting.

AI ThreatFlow Analyzer

- An intelligent network traffic classification model that achieves 85% accuracy, trained on 1 million flow records. Leveraging Recursive Feature Elimination (RFE) for feature selection and a Random Forest classifier, accurately predicts attack event types based on critical flow characteristics.

Honeypot Log Analysis and Threat Reporting

- Conducted Honeypot Log Analysis and Threat Reporting using Power BI, leveraging data cleaning, transformation, and visualization skills to identify attack patterns and generate actionable cybersecurity insights.

PROFESSIONAL EXPERIENCE

Plan International

June 2022 – January 2025

Information Technology Coordinator

- Implemented security controls for 350+ endpoints, achieving 99.99% compliance with Plan International's IT security standards.
- Co-developed 2 DR and BCP plans, improving RTO by 30% and minimizing disruption during breach simulations.
- Oversaw security for 10+ critical systems through updates, patching, and risk assessments, enhancing audit readiness by 40%.
- Performed in-depth analysis of logs, threat data, and IT assets to uncover risks and compliance gaps, and proposed mitigation strategies.

Zimbabwe Health Interventions

January 2022 – May 2022

Information Technology Graduate Intern

- Managed L1 and L2 IT support for over 450 users, overseeing infrastructure and hybrid support across 10 provincial offices for Zimbabwe Health Interventions.
- Led a cybersecurity awareness campaign for 450+ employees, focusing on safe browsing, phishing prevention, and password management, reducing phishing incidents.
- Supported the deployment of the Integrated Management System by testing modules, reporting errors, and enhancing workflow integrity and productivity.

Plan International

September 2019 – September 2020

Information Technology Intern

- Monitored network traffic to identify vulnerabilities, ensuring timely resolution and maintained 99.9% uptime.
- Managed 200+ IT assets, improving inventory tracking, accountability, and compliance with global IT policies
- Provided IT support to 300+ users, troubleshooting issues and enforcing secure practices like multi-factor authentication and secure file sharing .

TECHNICAL CAPABILITIES

Programming & ML : Python, SQL, TensorFlow, scikit-learn, LLMs, RAG

Visualization : Power BI, Tableau, Excel, Matplotlib, Seaborn

Cloud & Databases : AWS, Databricks, PostgreSQL, MySQL

Certifications : ISO/IEC 27001:2022 Lead Auditor, ISC2 Certified in Cybersecurity, Databricks Generative AI Fundamentals