

Pasindu Kumarasinghe

Cyber Security Undergraduate | Future Security Analyst

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Location: Colombo, Sri Lanka

Professional Summary

Motivated Cyber Security undergraduate at SLIIT Faculty of Computing with strong foundational knowledge in network security, ethical hacking, cryptography, and penetration testing. Passionate about protecting digital systems, identifying vulnerabilities, and implementing secure solutions. Seeking internship or entry-level opportunities in Cyber Security or Security Operations.

Education

Bachelor of Science in Cyber Security

SLIIT – Faculty of Computing, Colombo, Sri Lanka

2024 – Present

Relevant coursework: - Network Security - Ethical Hacking - Cryptography - Operating Systems - Programming with Python

Technical Skills

Security: Network Security, Ethical Hacking, Penetration Testing, Incident Response, Firewall Management

Programming: Python, Basic Bash/Linux Scripting

Tools & Technologies: Linux, Wireshark, Nmap, YARA, Scapy

Concepts: Malware Analysis, Web Security (OWASP Top 10), Cryptography Basics

Projects

Malware Analysis Tool

- Developed a Python-based tool to analyze malware samples and extract behavioral indicators.
- Generated structured reports using static analysis techniques and YARA rules.

Network Intrusion Detection System

- Built a real-time network monitoring system using Python and Scapy.
- Detected suspicious traffic patterns and generated administrator alerts.

Password Security Analyzer

- Designed a password strength evaluation tool calculating entropy and detecting weak patterns.
- Provided actionable recommendations to improve credential security.

Web Vulnerability Scanner

- Created an automated scanner to identify common web vulnerabilities such as SQL injection and XSS.
 - Followed OWASP security testing guidelines for vulnerability detection.
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Soft Skills

- Problem Solving
 - Analytical Thinking
 - Attention to Detail
 - Team Collaboration
 - Continuous Learning Mindset
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Career Objective

To become a professional Security Analyst and Cyber Security Consultant, contributing to the protection of organizational digital assets and strengthening security postures against modern cyber threats.

References

Available upon request.