

# THARINDU RANASINGHE

UNDERGRADUATE AT SLIIT

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 [Tharindu Ranasinghe](#) |  [Tharindu Ranasinghe](#)

## PROFILE

Motivated cybersecurity undergraduate with hands-on experience in network security, ethical hacking, vulnerability assessment, and GRC practices. Actively participates in Capture The Flag (CTF) competitions and security labs to strengthen practical skills and stay current with emerging threats. Strong interest in penetration testing, threat analysis, and compliance-driven security, with a focus on applying industry frameworks to protect organizational systems.

## EXPERIENCE

Aug 2025 – Present

### Cyber Security Intern – Bank Of Ceylon

- Monitored and analyzed security events using SIEM and NDR platforms as part of SOC operations.
- Assisted in incident investigation, alert triage, and escalation following SOC procedures.
- Supported Data Lakehouse (DLH) project security by implementing access controls and data protection measures.
- Collaborated with IT Security team to improve threat detection and response efficiency.

## EDUCATION

### BSc (Hons) in Information Technology Specializing in Cyber Security – UGC

2023 - present

Undergraduate at SLIIT University

### G.C.E Advanced Level Examination

2022

Passed with 2C's and 1S - Maths Stream

Dharmaraja College – Kandy

### G.C.E Ordinary Level Examination

2019

Passed with 6A'S 2B's and 1C

Sri Chandananda Buddhist College - Kandy

## SKILLS

### Technical Skills

- Frontend - HTML, CSS, JavaScript
- Backend - PHP, C, Python, Java
- Scripting Language - Bash
- Database Management - MySQL, Oracle
- Database Tools - BurpSuite, OWASP ZAP, Nmap, Wireshark
- Networking - IPv4, IPv6, TCP/IP, DNS, DHCP, Firewall network security, socket programming
- Standards - ISO 27001:2022

## CERTIFICATIONS

- Introduction to Cybersecurity - CISCO Networking Academy
- Cyber Threat Management - CISCO Networking Academy
- Networking Basics - CISCO Networking Academy
- SQL Injection Attacks - EC- Council
- Ethical Hacker - CISCO Networking Academy
- Python Essentials - CISCO Networking Academy
- Networking Devices and Initial Configuration - CISCO Networking Academy
- Ethical hacking 101 - Simplilearn
- Introduction to Cryptography - Simplilearn
- Endpoint Security - CISCO Networking Academy

## PROJECTS

### ISO 27001:2022 Toolkit Development & Implementation

- Developed an ISO 27001:2022 ISMS toolkit including risk assessment templates, Statements of Applicability (SoA), and access control checklists to support policy alignment and strengthen information security governance. Applied industry best practices to enable effective ISMS implementation and compliance readiness.

### Oracle Database Implementation with Security Hardening

- Implemented and configured Oracle Database on Oracle Linux with enhanced security controls, including role-based user privilege management, data encryption, auditing mechanisms, and system-level hardening to ensure a secure and high-performance database environment.

### Cryptographic Algorithm Development

- Designed, implemented, and evaluated cryptographic algorithms such as RSA and DES, covering key generation, encryption, and decryption processes. Analyzed algorithm strength and performance to ensure secure handling of sensitive data.

### Web Security Assessment & Vulnerability Disclosure

- Performed web application security assessments on platforms such as HackerOne and Bugcrowd, identifying vulnerabilities through reconnaissance, CVE research, and responsible disclosure practices to improve overall application security posture.

### TryHackMe Room Development | Cross-Site Scripting (XSS)

- Designed and developed a TryHackMe learning room focused on Cross-Site Scripting (XSS) attacks, featuring hands-on practical tasks covering Reflected, Stored, and DOM-based XSS. Created structured explanations and real-world scenarios to help learners understand attack mechanisms, exploitation techniques, and mitigation strategies.

### DHCP, DNS, and NTP Server Configuration

- Configured and secured DHCP, DNS, and NTP servers, implementing a reliable, efficient, and secure network environment with proper access controls and service optimization

### Secure Web Application for Information Security Policy Management

- Developed and demonstrated a secure policy-awareness web application with AUP, compliance tracking, and secure coding practices for an organizational information security use case.

### Software Development | Cryptographic Toolkit

- Designed and implemented a GUI-based cryptographic toolkit featuring encryption, hashing, digital signing, and steganography functionalities to support secure data handling and demonstrate practical cryptographic application

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## LANGUAGES

English

Sinhala

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## EXTRA CURRICULAR ACTIVITIES

- Finalist (Top 10) at CyberShield 4.0 CTF Challenge organized by IEEE Computer Society - SLIIT, in collaboration with HashX (2025).
- Participated in Cyber Security Summit 2024 - Capture the Flag (CTF) event organized by CICRA Campus, in collaboration with Hash
- Member of the ICT Society, Science Society in Dharmaraja College.
- Member of the ICT Society, Science Society, Swimming team and Scout group in Chandananda Buddhist College.
- Completed the Visharad Music Examination at Bhathkande Sangith Vidyapith in Lucknow, India - by Instrumental Guitar. (2016-2019)

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## REFERENCES

Shiroma Rathnayake  
Managing Director  
Tailor Store International (PVT) LTD.  
Alawwa  
0772990411

Wasanatha Jayasekara  
Chief Manager IT  
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