

THISARA GAYANTHA

Cyber Security Intern, Sri Lanka Police Headquarters | BSc (Hons) IT — Cybersecurity, SLIIT

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PROFILE

Cybersecurity undergraduate currently serving as a Cyber Security Intern at Sri Lanka Police Headquarters, with hands-on experience in an operational, national-level security environment. Builder of practical security tooling — log analysis, phishing detection, network reconnaissance — with a strong software engineering foundation in Java/Spring Boot and Python, and verified certifications from ISC2 and Google. Pursuing further internships and junior roles in SOC, blue team and security engineering, on the path to a security engineering career.

PROFESSIONAL EXPERIENCE

Cyber Security Intern — Sri Lanka Police Headquarters

Aug 2026 – Present

- Serving within the cybersecurity function at Sri Lanka Police Headquarters, Colombo.
- Gaining hands-on exposure to security operations and monitoring practices in a national law-enforcement environment.
- Applying log analysis and detection fundamentals in real operational workflows alongside experienced security professionals.

CERTIFICATIONS

- **Security Concepts and Practices — ISC2** (Coursera, Jul 2026) · [Verify: BMQ31BO8NPP5](#)
- **Foundations of Cybersecurity — Google** (Coursera, Jul 2026) · [Verify: GQYWQSWC7LYC](#)
- **Information Security Foundations — LearnKart5** (Coursera, Nov 2025) · [Verify: HYHNEUPBKYE6](#)
- **CompTIA Security+ (SY0-701)** — training completed; certification exam in progress

SECURITY & ENGINEERING PROJECTS

Python Log Analyzer — SOC-style threat detection

github.com/thisara-gayantha/Python-Log-Analyzer

- Built a Python tool that parses system log files to detect suspicious activity — repeated failed logins, abnormal IP behavior — with threshold-based alerting that simulates SOC monitoring and incident identification.

Phishing Detection System — web-based URL analysis

github.com/thisara-gayantha/phishing-detector

- Designed a Flask web application that scores URLs with a heuristic risk model using IP-based URL analysis, SSL validation, WHOIS domain intelligence, HTTPS verification and redirect tracking to classify links as safe, suspicious or phishing.

TCP Port Scanner — network reconnaissance utility

github.com/thisara-gayantha/Simple-python-port-scanner

- Developed a socket-programming port scanner with timeout handling and optimized connection attempts to identify open ports and exposed services on authorized systems.

Vehicle Rental System — secure REST backend

Spring Boot · SLIIT OOP project

- Built a Spring Boot REST system for bookings, rentals and payments with input validation; identified and documented security weaknesses such as insecure password storage, demonstrating secure-coding awareness.

FitVital Hub — role-based health management platform

Spring Boot · MySQL · SLIIT SE group project

- Co-developed a platform with authentication and role-based dashboards for patients, doctors, dietitians, staff and administrators, covering appointments, health profiles and feedback.

TECHNICAL SKILLS

Security: SOC fundamentals, log analysis & threat detection, network security (TCP/IP), vulnerability assessment basics, security frameworks & controls (CIA triad, IAM), cryptography fundamentals

Programming: Python, Java, C, JavaScript

Backend & Web: Spring Boot, Flask, REST APIs, React, HTML/CSS, MySQL, MongoDB

Tools & Systems: Linux (Ubuntu), VirtualBox, Git & GitHub, Postman, Wireshark basics, socket programming

EDUCATION

BSc (Hons) in Information Technology — Cybersecurity specialization 2024 – 2028 (expected)

Sri Lanka Institute of Information Technology (SLIIT)

G.C.E. Advanced Level 2021 – 2023

Maliyadeva College, Kurunegala

ADDITIONAL INFORMATION

Soft skills: problem solving, analytical thinking, team collaboration, clear documentation

Availability: open to internships and junior security roles alongside current commitments • on-site, hybrid or remote • Sri Lanka or international

Last updated: August 2026