

# MANITH RANASINGHE

Tech Enthusiast | Cybersecurity UG

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## PROFESSIONAL SUMMARY

An undergraduate pursuing a **BSc (Hons) in Information Technology Specializing in Cybersecurity** at SLIIT. Driven by a strong passion for **network defense, ethical hacking, and digital security**. Eager to apply my technical skills, gain hands-on experience through internships, and contribute to building **secure and resilient** digital infrastructures.

## EDUCATION

### BSc (Hons) in Information Technology Specializing in Cybersecurity

Sri Lanka Institute Of Information Technology

July 2024 - Present

## PROJECTS

### Web-based E-channeling System

September 2025-November 2025

- **Tech Stack:** Java, Spring Boot, SQL Server, HTML, CSS, JavaScript.
- **Overview:** Built a responsive web application for medical appointments featuring dynamic doctor scheduling, patient booking, and medical report management.
- **Key Contribution:** Implemented secure Role-Based Access Control (RBAC) and a comprehensive administrative dashboard to track financial metrics and user data.

### Phishing Website Detection Tool | *Python, Flask, HTML/CSS, JavaScript*

January 2026-Present

- Developed a rule-based cybersecurity tool to detect and flag potentially malicious websites by analyzing URL patterns and webpage features.
- Engineered Python-based classification logic to evaluate key heuristics, including URL length, domain structure, HTTPS usage, and suspicious keyword presence.
- Built a user-friendly web interface using Flask that accepts real-time URLs and generates immediate security reports.
- Implemented a tiered risk assessment system, categorizing inputs as Safe, Suspicious, or Phishing to warn users of potential threats.

## SKILLS

- **Programming Languages:**  
Java, Python, JavaScript, SQL
- **Tech Stack:**  
Spring Boot, Flask, HTML, CSS, Bootstrap, MySQL, Git, GitHub

- **Key Skills:**

Object-Oriented Programming (OOP), Data Structures & Algorithms, Web Application Security, Authentication & Authorization, Problem Solving, Team Collaboration