

# KAVINDU SAHAN SILVA



## SUMMARY

Cybersecurity undergraduate at SLIIT with expertise in Red Team/Blue Team operations. Currently pursuing HackTheBox Web Penetration Tester certification. 1st Runner-up at Bashaway 2025 and Top 10 Finalist at SLIIT Extreme Hackathon. Proficient in Kali Linux tools and secure coding practices.

## EDUCATION

### BSc (Hons) Information Technology – Cyber Security

Sri Lanka Institute of Information Technology (SLIIT)  
Jun 2024 – Jul 2028  
Dean's List – Semester 1 & 3

### G.C.E. Advanced Level – Engineering Technology

2023 | District Rank: 10th  
Presidential Award Recipient

## SKILLS

### Programming

- JavaScript/TypeScript
- Python
- Java
- C/C++

### Frontend

- React.js
- Next.js
- HTML5/CSS3

### Backend

- Node.js
- Spring Framework
- Firebase
- React basics, RESTful APIs

### Cloud/DevOps

- GCP
- AWS
- Docker

### Databases

- MongoDB
- MySQL
- Firebase

## PROJECTS

### Hospital Management System

- Healthcare Solution | 2025 Comprehensive software for hospital administration featuring patient admission, doctor scheduling, pharmacy inventory, and billing. Built with OOP principles and secure database connectivity.

### EduFix - Academic Help Desk

- Full-Stack Web Application Centralized help desk system with ticket management, real-time support tracking, and role-based access for students and administrators. Built with HTML, CSS, and JavaScript.

### Exam Management System

- Enterprise Java Application Real-time examination platform with RBAC for Admins, Teachers, and Students. Features exam creation, scheduling, automated grading, and result management using Java, JSP, and JSON.

### Greenhouse Automation System

- IoT & Embedded Systems IoT-based environmental control using Arduino, C++, Firebase, and Next.js. Integrated sensors for temperature, humidity, and soil moisture with automated irrigation and ventilation.

### Tools

- Burp Suite
- Nmap
- Wireshark
- Metasploit
- OWASP

## CERTIFICATIONS

- CPPS Phishing Prevention (Hack & Fix)
- Advent of Cyber 2025 (TryHackMe)
- Web Penetration Tester (HTB - In Progress)
- Full Stack Development (UoM 2024)