

# Senal Dilanjana Kandanaarachchi

4th Year B.Sc. (Hons) Undergraduate | Cybersecurity & Linux Enthusiast

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## SUMMARY

Highly motivated 4th-year IT undergraduate and Linux-Native Technologist with a proven track record in System Administration (Arch/Fedora/Debian) and Workflow Automation. Recently completed the TryHackMe Advent of Cyber and Pre-Security paths, gaining hands-on experience in SIEM (Splunk), Malware Analysis, and Network Security. A self-driven developer and team lead with a GPA of 3.65, dedicated to securing digital infrastructures through a deep understanding of networking and automated defense workflows.

## PROJECT EXPERIENCE

### TryHackMe Cybersecurity Achievements

Security Researcher / Student

Online

Dec 2025 - Jan 2026

- **Advent of Cyber (2025):** Completed a 24-day intensive challenge covering offensive, defensive, and specialized security topics, including Red Teaming and Web Application Security (OWASP Top 10).
- Gained hands-on experience in SIEM (Splunk) for log analysis, Network Traffic Analysis to identify malicious patterns, and Malware Analysis in controlled lab environments.
- **Pre-Security Learning Path:** Certified completion of the foundational security track, focusing on underlying internet technologies and Operating Systems.
- Mastered Networking Fundamentals, including the OSI Model, TCP/IP, and DNS.

### Home Lab Automation & System Administration

Independent Security & Systems Engineer

Personal

July 2025 - Present

- Engineered a secure, self-hosted automation infrastructure on Arch Linux using a Podman pod (PostgreSQL, n8n, Cloudflare).
- Utilized Cloudflare Tunnel to securely expose the n8n instance, enabling system-level execution on the local host via SSH for advanced system administration and workflow automation.
- Developed and configured a simple logging and anomaly detection system to monitor system integrity and security, connecting to Agentic AI concepts.

### DisasterWatch

Team Lead (8 members) & Main Developer

University Project

October 2024 - February 2025

- Led an 8-person team from concept to deployment of a functional MERN-stack mobile/web application (React, Expo, Express, MongoDB).
- Managed the entire software development lifecycle, including version control (GitHub), requirements gathering, task delegation, and conflict resolution.
- Functionally developed the mobile application, admin dashboard, and backend services to provide a usable system for disaster reporting and administration.

## EDUCATION

### University of Vavuniya

Bachelor of Science (Hons) in Information Technology | GPA: 3.65

Vavuniya, SL

April 2022 - Present

### St. Mary's College

G.C.E. Advanced Level Examination | ICT (B), English (S), German (S)

Kegalle, SL

2020

## CERTIFICATIONS & ACHIEVEMENTS

### Cisco Networking Academy

JavaScript Essentials 1 (JSE) & PCAP: Programming Essentials in Python

Online

2024

### MongoDB

MongoDB Data Modeling Path

Online

2024

### Cisco Networking Academy

Introduction to Cybersecurity

Online

2024

## TECHNICAL SKILLS

**Programming:** Python, Java, JavaScript, Bash, C/C++ (basic)

**Development:** React Native/Expo, React, Express, Node.js (MERN), Web (Full-Stack)

**Networking/Sec:** Wireshark, Burp Suite, Configuring, Testing, Cybersecurity Concepts, Packettracer, Mininet

**DevOps/Auto:** Docker, Podman, n8n, Arch Linux (Daily Driver), Bash, Git/GitHub, Agentic AI, Workflows

**Tools/QA:** Postman, System Administration, Hardware Handling, Testing

**Databases:** MySQL, MongoDB, PostgreSQL