

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, Cloudflared).
- 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

Vavuniya, SL

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

April 2022 - Present

St. Mary's College

Kegalle, SL

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

2020

CERTIFICATIONS & ACHIEVEMENTS

Cisco Networking Academy

Online

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

2024

MongoDB

Online

MongoDB Data Modeling Path

2024

Cisco Networking Academy

Online

Introduction to Cybersecurity

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