Senal Dilanjana Kandanaarachchi

4th Year B.Sc. (Hons) IT | 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: Advent of Cyber 2025   Online
Security Researcher / Participant   Dec 2025

- Completed a 24-day intensive cybersecurity 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.

- Performed vulnerability assessments and practical exploitation exercises in a safe, legal environment.

Home Lab Automation & System Administration   Personal
Independent Security & Systems Engineer   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   University Project
Team Lead (8 members) & Main Developer   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

TryHackMe   Online
Pre Security Learning Path (Certified)   2026

TryHackMe   Online
Advent of Cyber 2025 (Certificate of Completion)   Late 2025

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

INTERESTS

- System Administration & Linux Customization
- Security Auditing & Ethical Hacking
- Automation, DevOps & CI/CD Pipelines
- Software Quality Assurance

REFERENCES

Dr. S. Kirushanth   **Mr. Kalamany Mathanaharan**
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