

Lavan Sivakumar

Cybersecurity Analyst (Entry Level)

Education

- **Bsc in Cybersecurity**

Nottingham Trent University

2023 - 2026 | Nottingham, UK

- **Engineering Technology - 2B, C**

Jaffna Hindu College

2018- 2022 | Jaffna, Srilanka

Experience

- **Student Mentor - NTU**

Aug 2024 - May 2025 | Nottingham, UK

- Guided first-year students academically and technically.
- Supported transition into university and key modules.
- Assisted with basic computing and networking topics.

- **Field Reporter - Tamil CNN**

2022 April - 2023 August (Part-time)

- Conducted field investigations and incident reporting.
- Collected information through interviews and on-site analysis.
- Built strong analytical, communication, and situational awareness skills.

- **Content Creator - Citizens Connect**

2022 October - 2023 August (Part-time)

- Created short documentary content on community-level issues.
- Conducted field research, scripting, filming, and editing.
- Collaborated with teams to submit and publish documented findings.

Technical Skills

- **Security** : Wireshark, Nmap, Burp Suite, Log analysis
- **Networking** : Cisco Packet Tracer, VLAN, Routing
- **Programming** : Python, Java, SQL
- **Tools** : Git, GitHub, Linux, WindowsServer
- **Cloud** : Azure (Learning)

Volunteering

- **Media Coordinator- RAHAMA**

Supported on-site coordination and communication during national awareness events.

- **Community Researcher - VOC**

Produced investigative documentary content, strengthening reporting accuracy.

Summary

Cybersecurity undergraduate focused on adversarial thinking, network defence, and distributed systems. Hands-on experience with Java load balancers, network analysis tools, and security-based software. Strong skills in networking, system security, Python, and Java.

Motivated to start a career in SOC operations, threat detection, and security engineering.

Certifications

- **SAL1 - TryHackMe Certified Security Analyst**

-in progress, Expecting to finish by jan, 2026

- **Qualys - Vulnerability Management**

Languages

- English - Working proficiency
- Tamil - Native

Projects

- **Wi-Fi Intrusion Detection & Management System**

-in progress for final year project

- Detects unauthorised devices
- Logs MAC/IP/timestamps
- Blocks or limits device access
- (Python + Scapy + SQLite)

- **Java REST Location Service API**

- Returns distance/time between GPS points
- Parses OSRM and outputs clean JSON
- Built for future scaling
- (Java + OSRM)

- **Distributed Load Balancer System (Java)**

- Round-Robin Algorithm
- Custom client - worker architecture
- Task distribution algorithm
- Fault-tolerant communication

- **OWASP Top 10 Web Security Testing Platform**

-in progress - complete by January

- Intentionally vulnerable web apps
- Includes SQLi/XSS/Access Control modules
- Used for hands-on exploit practice
- Defensive + Offensive
- (Python + JS + Flask)

- **PCAP File Analysis & Threat Detection Tool**

- Parses PCAP files to extract packets + metadata
- Identifies anomalies, suspicious IPs, and signatures
- Generates structured reports for quick threat review
- Python + Scapy