

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



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