VEEKAASH MAGESPARAN

Cybersecurity Graduate | SOC & Security Operations | Network Security

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PROFESSIONAL SUMMARY

Cybersecurity graduate from Multimedia University (CGPA 3.48) with hands-on security operations experience. As an IT Security Intern at Valiram, handled Level 1 and 2 incidents across 9 countries using SIEM, MDR, and XDR, alongside firewall, email, and endpoint security. Built an adaptive hybrid intrusion detection system for IoT environments achieving 96.42% accuracy and 99.39% recall. Backed by five Palo Alto Networks fundamentals certifications. Seeking full-time SOC Analyst or Security Analyst roles.

EDUCATION

Bachelor of Computer Science (Hons.) in Cybersecurity 2024 – 2026

Multimedia University, Cyberjaya | CGPA: 3.48

- **Final Year Project:** Adaptive Hybrid Intrusion Detection System for Smart Home & IoT Environments

Diploma in Information Technology 2021 – 2023

Multimedia University, Cyberjaya

WORK EXPERIENCE

IT Security Intern | *Valiram Group* Aug 2026 – Oct 2026

- Handled Level 1 and Level 2 security incidents, performing daily monitoring across operations in 9 countries.
- Monitored, triaged, and investigated alerts using SIEM, MDR, and XDR platforms.
- Carried out incident response and technical response for network and security issues, including remote and onsite troubleshooting when required.
- Managed firewall, email security, and endpoint protection tools to detect and block threats.
- Configured Cisco Meraki networks, including subnet design and IP address allocation.

IT Hardware & Support Intern | *Fixmaster IT Distributors Sdn Bhd* Aug 2023 – Oct 2023

- Deployed and imaged 100+ systems using Clonezilla for bulk corporate refurbishment projects.
- Repaired and upgraded hardware (SSD, RAM, screens, motherboards) across 50+ client units.
- Installed and configured Windows OS, Microsoft Office, and enterprise tools including Power BI.
- Ran full QA cycles covering battery health, port functionality, and stress testing before handover.
- Managed BIOS unlocking and configuration to meet corporate client specifications.
- Mentored junior interns on hardware diagnostics and repair procedures.

PROJECTS

Adaptive Hybrid Intrusion Detection System for Smart Home & IoT 2024 – 2026

Degree Final Year Project

- Designed an Adaptive Hybrid IDS combining signature-based detection, Random Forest, and Incremental SGD through majority-vote fusion for real-time threat detection.
- Achieved 96.42% accuracy, 93.37% precision, 99.39% recall, and 96.29% F1-score, outperforming standalone models at only 16.20% CPU and 162.52 MB memory.
- Built a six-phase detection pipeline with chronological batch simulation (560 batches) to emulate live IoT traffic.
- Implemented concept drift monitoring that detected 50 drift events, validating the need for continuous adaptive learning.
- Preprocessed the TON-IoT dataset covering telemetry from seven smart home and industrial IoT devices.

Goldbell Fashion: E-Commerce Website

Diploma Final Year Project

- Built a full-stack e-commerce platform with product management, user authentication, and CRUD operations using PHP, HTML, CSS, and MySQL.
- Implemented secure login and registration with input validation and session management.
- Designed responsive layouts for desktop and mobile, backed by a relational MySQL database.

TECHNICAL SKILLS

Security Operations: SIEM, MDR, XDR, Incident Response, Alert Triage, Firewall, Email Security, Endpoint Security, PCI DSS

Security: Intrusion Detection Systems (IDS), Network Traffic Analysis, Threat Detection, IoT Security, OSINT, Basic Penetration Testing

Networking: Cisco Meraki, Subnetting & IP Addressing, Network Troubleshooting, Cisco Packet Tracer

Tools & Platforms: Kali Linux, VMware Workstation, VirtualBox, GitHub, VS Code, XAMPP, Clonezilla
Programming & Web: Python, Java, C++, PHP, JavaScript, HTML, CSS, MySQL
Cloud: AWS Fundamentals, Cloud Security Fundamentals
IT Support: Hardware Diagnostics & Repair, BIOS Configuration, System Deployment, Windows Installation

CERTIFICATIONS

- **Palo Alto Networks (May 2026):** Cybersecurity Fundamentals, Network Security Fundamentals, Cloud Security Fundamentals, Security Operations Fundamentals, Endpoint Security
- **Huawei (Jan 2026):** HCIA-AI V4.0 Course
- **Sololearn (Nov 2022):** C++ Programming

LANGUAGES

English (Fluent) • Bahasa Malaysia (Fluent) • Tamil (Native)