

SIVADHARANI A

Mayiladuthurai, Tamil Nadu | **Mail:** sivadharani823@gmail.com | **Phone:** +91-7339327561

LinkedIn: linkedin.com/in/sivadharani23 | **GitHub:** github.com/sivadharani-a | **Portfolio:** sivadharani-portfolio

PROFILE SUMMARY

Entry-level graduate with hands-on experience in backend application development, system analysis, and security-focused workflows. Skilled in building Python-based applications and REST APIs, working with logs and telemetry data, and applying secure development practices. Demonstrated ability to analyze system behavior, troubleshoot issues, and contribute to both software development and security-oriented projects in collaborative environments.

TECHNICAL SKILLS

Security Operations: monitoring, log analysis, Vulnerability assessment, risk analysis, alert investigation

Monitoring and Detection: web traffic analysis, Sysmon telemetry, SIEM (Splunk), IDS/IPS concepts

Operating Systems: Windows (event logs), Linux (administration and security basics)

Security and Development Tools: Splunk, Sysmon, Nmap, Netcat, cURL

Programming and Backend Development: Python, Flask, FastAPI, REST API, secure input handling

Frameworks and Standards: MITRE ATT&CK, defense-in-depth, secure development practices

Cloud Platforms: AWS (foundational services, identity and access concepts, cloud Security basics)

PROJECTS

SOC Home Lab | Splunk Enterprise, Sysmon, Windows Logs, MITRE ATT&CK

- Built a functional SOC lab by ingesting Sysmon telemetry into Splunk, creating dashboards and detection queries, and analyzing process execution anomalies and persistence techniques.

WebDefender-X | Python, FastAPI, Scikit-learn, Linux

- Assisted in developing backend APIs and workflows for event ingestion and anomaly detection, supporting analysis of suspicious activity through a security analytics dashboard.

SafeShort | Python, Flask, SQLite

- Built a backend-driven URL shortening service with validation checks, logging, and safe redirection logic, focusing on secure request handling and data storage.

Secure Port Scanner | Python, Flask, Nmap

- Developed a backend application to scan open ports and exposed services, generating structured outputs to support vulnerability assessment and system analysis.

Remote Village App – (Team Project) | React, Backend Workflows

- Contributed to backend logic and data flow design for a digital learning platform providing study content, online tests, and evaluation support for students in remote areas.
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INTERNSHIP

Cyber Security Intern | Academor | Bangalore, India | March 2025 - May 2025

- Supported security analytics and application security tasks by working on backend logic, event processing, and secure workflows as part of the WebDefender-X project.
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EDUCATION

Master of Computer Applications (MCA) - Anna University

Tiruchirappalli, Tamil Nadu, India | October 2023 - July 2025 | CGPA - 8.4

CERTIFICATIONS

- **Security Principles** - ISC2 Certified in Cybersecurity (CC)
- **AWS Cloud Practitioner** - AWS
- **Java Full Stack Development** - EduBridge
- **Tools of the Trade: Linux and SQL** - Google