ADITHYAN V

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Kollam, Kerala

1 Professional Summary

Cybersecurity Researcher and BCA graduate with an add-on specialization in Cyber Security, skilled in Offensive Security, Vulnerability Assessment & Penetration Testing (VAPT), SOC operations, incident response, SIEM monitoring, threat intelligence, and AI-assisted security automation. Completed the Certified IT Infrastructure & Cyber SOC Analyst (CICSA) course at Red Team Hacker Academy. Hands-on experience with web application security and security labs on TryHackMe, Hack The Box, PortSwigger Academy, and OverTheWire. Seeking a Cyber Security Analyst, VAPT, or SOC Analyst role.

2 Skills

- **Cybersecurity**
  Offensive Security, Defensive Security, Vulnerability Assessment & Penetration Testing (VAPT), Web Application Security, SIEM Monitoring, Threat Intelligence, Incident Response
- **Offensive Security Tools**
  Burp Suite Professional, Metasploit, sqlmap, Nmap, Gobuster, Hydra
- **Defensive Security Tools**
  Splunk, Wazuh, Snort, Wireshark
- **AI-Assisted Security & Automation**
  AI Agent Integration for Security Automation, Codex, Hermes Agent, HexStrike MCP, Playwright MCP
- **Operating Systems & Virtualization**
  Kali Linux, Windows, Ubuntu, VMware, VirtualBox
- **Networking**
  TCP/IP, OSI Model, DNS, DHCP, NAT, VLANs, Subnetting, TCP/UDP, Routing & Switching
- **Programming & Scripting**
  Python (Basics), HTML, CSS

3 Internships

Cyber Security Analyst Intern (Virtual)
Future Interns | May 2026

- Completed a one-month virtual Cyber Security Analyst internship
- Developed three cybersecurity projects focused on Vulnerability Assessment & Penetration Testing (VAPT), API Security Analysis, and Phishing Email Detection.
- Awarded a Certificate of Completion and Letter of Recommendation for successful performance.

Cybersecurity with AI Intern (Virtual)
NIIT Foundation in collaboration with Cisco Networking Academy | August 2025

- Completed a one-month virtual cybersecurity internship.
- Designed and configured a secure enterprise network in Cisco Packet Tracer using VLANs and ACLs.
- Earned three Cisco certifications, including Cybersecurity Essentials.

4 PROJECTS

VIPER-SOC: Vulnerable IP & Payload Eradication Response

Technologies Used: Wazuh SIEM, Python, VirusTotal API, AbuseIPDB API, Kali Linux

Developed an automated incident response framework integrated with Wazuh SIEM to detect and respond to network and endpoint threats. Leveraged AbuseIPDB for IP reputation analysis and VirusTotal for malware hash verification to automatically block malicious IP addresses and remove infected files, reducing manual intervention.

XSS Detection Using Snort IDS

Technologies Used: Snort 3, Python, Flask, Kali Linux

Developed a network security lab to simulate and detect Cross-Site Scripting (XSS) attacks in real time using Snort 3. Built an intentionally vulnerable Flask web application and implemented custom Snort rules to inspect HTTP traffic and generate real-time alerts for malicious payloads.

Secure Wireless Network Design – Internship Project

Technologies Used: Cisco Packet Tracer, TCP/IP, DHCP, DNS, HTTP/HTTPS

Designed and configured a secure wireless enterprise network using Cisco Packet Tracer with WPA2 encryption, a static WAN IP, MAC filtering, and secure administrator credentials. Validated network connectivity, performance, and security using TCP/IP, DNS, DHCP, HTTP, and HTTPS protocols.

5 CERTIFICATIONS

- **EC-Council Certified SOC Analyst (CSA v2)**
- **Certified IT Infrastructure & Cyber SOC Analyst (CICSA v3) –** Red Team Hacker Academy
- **Advanced Diploma in Cyber Security and Cloud Computing** – STED Council & Skill Development Council Canada
- **Python Programming Certification -** Global India Techno Hub

6 ACHIEVEMENTS

- Secured 1st Prize in a CTF Competition at Red Team Hacker Academy as part of a three-member team, Team 0day.
- Independently identified and responsibly disclosed security vulnerabilities in Kerala Government web infrastructure through CERT-In, with official Case IDs assigned.
- Ranked within the Top 4% on TryHackMe, demonstrating hands-on skills in penetration testing, SOC operations, and defensive security.

7 EDUCATION

Certified IT Infrastructure and Cyber SOC Analyst (CICSA v3) – Nov 2025 – June 2026
RedTeam Hacker Academy, Trivandrum

Bachelor of Computer Applications (BCA) -2022-2025
Indira Gandhi College of Arts and Science, Ernakulam

Diploma in Cyber Security & Cloud Computing - Apr 2024 – Apr 2025
Global India Techno Hub, Ernakulam