KARTHIKEYAN

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📍 Chennai
(Open to relocate)

EXECUTIVE SUMMARY

Cybersecurity Engineer-in-Training with hands-on experience delivering security-focused projects, including SecureCode AI, strengthening skills in secure coding analysis, vulnerability identification, and application security. Proficient in SIEM and log analysis, vulnerability assessment, network defense, and security automation, developed through continuous project work and problem-solving. Ranked in the Top 10% on TryHackMe, reflecting strong analytical ability and real-world security mindset. As President of Rising Minds, a placement and technical community, I developed leadership, communication, and technical mentoring skills by leading teams and delivering career and technology sessions. Motivated to contribute meaningful security value to the IT industry from day one.

INTERNSHIP EXPERIENCE

Cybersecurity Intern | NIIT Foundation, Virtual | June 2025 – July 2025 PROJECT

- Designed and deployed network infrastructure for an SME and a university (5 departments) in Cisco Packet Tracer.
- Configured VLAN segmentation, ACLs, and DHCP, reducing manual IP configuration time by 80% and blocking 100% of unauthorized access attempts during simulations.
- Performed vulnerability assessments on lab networks, mitigating 5+ critical misconfigurations before deployment.

PROJECTS

1. SecureCode AI – AI-Based Secure Code Analysis Tool SECURECODEAI

- A static application security testing (SAST) platform that detects 20+ security vulnerability types such as SQL Injection, XSS, and Command Injection across multiple programming languages.
- Uses taint-based data flow analysis to track user-controlled input across variables and lines, enabling accurate line-level vulnerability identification with severity classification.
- Integrates source code scanning and package/dependency security checks into a single workflow to identify risks early in the software development lifecycle (SDLC).
- Provides an interactive web interface with structured vulnerability reports, CWE mapping, remediation guidance, and support for project-level scans including ZIP uploads.

2. ReconX – Modular Cybersecurity Reconnaissance Toolkit (Python) RECONX

- Engineered a lightweight, modular Cybersecurity toolkit in Python consolidating 10 distinct reconnaissance tools across three categories: Network, DNS, and Web Fingerprinting.
- Developed a unified CLI for 4 Network (e.g., TCP Port Scanning, OS Guessing), 4 Domain (e.g., DNS/Subdomain Enumeration), and 2 Web (e.g., SSL/TLS Inspection) modules, reducing tool fragmentation for ethical hacking workflows.
- Automated complex pre-penetration testing steps, demonstrating expertise in Network Security, OSINT, and Scripting for surface attack mapping and vulnerability identification.

SKILLS SUMMARY

Technical Skills :
- **SIEM & Log Analysis:** Wazuh, Splunk, Wireshark
- **Threat Detection & Intelligence:** openVAS, theHarvester, Burp Suite, SEToolkit
- **Vulnerability Assessment:** Nessus, Nmap, Burp Suite
- **Networking Tools:** Cisco Packet Tracer, snort
- **Operating Systems:** Linux (Parrot OS, Kali, Ubuntu), Windows
- **Web Technologies:** React.js, Node.js, Express.js, HTML5, CSS3
- **Programming:** Python, JavaScript, C, SQL
- **Productivity & Design Tools:** VS Code, Canva, Excel
- **Version Control:** Git, GitHub

Soft Skills : Leadership, team collaboration, technical mentoring, problem-solving, fast learning, and adaptability.

CERTIFICATIONS

- Google Cybersecurity Professional Certificate   – Coursera (2025)
- Junior Cybersecurity Career Analyst Path   – Cisco Networking Academy (2025)
- Certified Cybersecurity Educator Professional   – Red Team Leaders (2026)
- Cybersecurity Analyst Job Simulation   – Forage (2025)
- IT Primer   – L&T EduTech (2024)

EDUCATION

B.Tech in CSE Cybersecurity – Jeppiaar University, Chennai

Expected Graduation: 2027 | CGPA: 9.52/10

- **Coursework:** OS, AIML, OOPS, EmbeddedSystem & IOT, DSA, DBMS.