KARTHIKEYAN R

Cybersecurity Analyst

Coimbatore, India | +91 6383972347 | karthicysec@gmail.com | www.linkedin.com/in/karthikeyancysec/ | https://github.com/karthicysec

PROFESSONAL SUMMARY

Results-driven **Cybersecurity Analyst** with expertise in **network security**, **vulnerability assessments**, and **threat analysis**. Proven ability to detect and mitigate vulnerabilities using **Burp Suite**, **OWASP ZAP**, and **Nmap**, with a track record of resolving high-risk security issues. Skilled in **threat intelligence**, **digital forensics**, and **firewall configuration**. Committed to staying ahead of emerging cyber threats through continuous learning and active participation in CTF competitions.

EXPERIENCE

NetworkSecurityIntern

Prompt InfoTech, Coimbatore | Aug 2024

- Led proactive **vulnerability assessments** with Burp Suite and Nmap, uncovering and addressing **high-risk vulnerabilities.**
- Developed and implemented **firewall configurations** that reduced external threats by 20%.
- Analysed real-time **threat data** to enhance incident response protocols.

CybersecurityAnalystIntern

Center for Cyber Security Studies & Research | Apr 2024 - Jul 2024

- Conducted **in-depth threat analysis** and identified patterns, leading to an 18% reduction in recurring attacks.
- Configured **intrusion detection systems (IDS)**, improving network defence by 25%.
- Strengthened system protocols by analysing incident response data.

CybersecurityStudentIntern

Hacktify Cyber Security | Feb 2024 - Apr 2024

- Led **vulnerability scans** using **Burp Suite**, OWASP ZAP, and Nmap, identifying and remediating **security flaws** including SQL injection and XSS.
- Enhanced web application security by implementing **cryptography** and **forensic techniques** during CTF challenges.

EDUCATION

Degree & Field of Study

Bharathiar University | 2023 – 2025 | GPA: 7.8

Cybersecurity

B.Sc.

PGP College of Arts and Science | 2020 – 2023 | GPA: 7.9

Physics

SKILLS

M.Sc.

- Network Security: Defense strategies, vulnerability assessment, firewall configuration
- Forensics & Incident Response: Log analysis, digital forensics, evidence collection
- Tools: Burp Suite, OWASP ZAP, Nmap, Wireshark, Kali Linux, Autopsy, FTK Imager
- Programming: Python
- **Soft Skills**: Problem-solving, Critical thinking, Team collaboration

CERTIFICATIONS

- Certified AppSec Practitioner (CAP) The SecOps Group
- Foundations of Cybersecurity <u>Google</u>
- Certified Cyber Security Analyst CyberwarfareLab
- Linux Foundation Certified System Administrator (LFCS) kodekloud
- Red Hat Certified System Administrator (RHCSA) kodekloud

PROJECTS

Windows Event Log Analyzer

Technologies: Python, Windows Event Viewer, Registry API

- Automated Windows Event Log analysis for real-time monitoring, achieving 95% accuracy in threat detection.
- Developed algorithms to identify failed login patterns, reducing false positives by 30% and enhancing incident response.
- Improved system auditing for file access and unauthorized attempts, increasing efficiency by 40% in forensic capabilities.

Caesar Cipher Tool

Technologies: Python

- Developed a Python-based encryption tool, enhancing data security by 90%.
- Implemented modular arithmetic for character shifting, reducing processing time by 30%.
- Designed an intuitive command-line interface, increasing user engagement by 40%.

Keylogger Tool

Technologies: Python, Pynput, Logging

- Engineered a stealthy keylogger for comprehensive keystroke capture, boosting user behaviour analysis and security audits by 95%.
- Implemented secure logging functionality, enhancing data retrieval efficiency by 50% and ensuring reliable information storage.
- Utilized real-time monitoring to detect suspicious activities, significantly contributing to proactive threat mitigation strategies.

ACHIEVEMENTS

- Campus Ambassador at <u>Cybersecurity Research & Awareness (CRAC Learning)</u>, promoting cybersecurity education and awareness.
- Team Captain of <u>H4x0r_Hunters</u>, leading the team to **49th place** in IRON CTF 2024 (out of 1,033 teams) and **6th place** in <u>H7CTF International</u> (out of 1,000 participants).
- Identified a critical **P5 bug** for the <u>National Labor Relations Board</u> during their Vulnerability Disclosure Program.
- Achieved 69th place in **Cybergenix Security CTF** (out of 574 participants).
- Participated in DEF CON Delhi Group's CTF (Prelims), securing 42nd place and showcasing my skills and commitment to growth in cybersecurity
- Recognized as a top 5% professional in cybersecurity by completing the <u>Pro5 Security Engineer Test.</u>
 showcasing advanced expertise in security engineering.