Manuprasad K

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Summary

Highly motivated and detail-oriented Cybersecurity Enthusiast with an M.Sc. in Computer Science and hands-on experience in threat detection, incident response, and network security monitoring. I am skilled in using Wireshark, Nmap, Splunk, Metasploit, and Burp Suite for vulnerability assessment and log analysis. I am certified in IT Infrastructure and SOC Analysis (CICSA) from RedTeam Hacker Academy. Passionate about identifying, mitigating, and reporting security threats through SIEM tools and simulated lab environments.

Technical Skills

- Security Tools: Wireshark, Nmap, Metasploit, Splunk, Burp Suite
- Operating Systems: Windows , Linux (Ubuntu, Kali)
- Networking: TCP/IP, DNS, DHCP, HTTP, Firewalls
- Programming Languages: Python
- Concepts: Incident Response, Threat Analysis

Education

Kannur University Campus Mangattuparamba   Kannur, Kerala
M.Sc. Computer Science (84%)   2022-2024

Government College Kasaragod (Kannur University)   Kasaragod, Kerala
B.Sc. Computer Science (82.4%)   2019-2022

Projects & Labs

- **File Integrity Checker Tool:** Engineered a Python-based tool to calculate and verify cryptographic hashes (SHA256) of files, demonstrating a strong understanding of data integrity and secure coding practices.

- **Vulnerability Exploitation of VulnHub Machine**: Successfully exploited the Matrix-Breakout: 2 Morpheus machine on Kali Linux by performing reconnaissance, enumeration, and privilege escalation.

- **Hands-On Security Labs:** Completed various challenges and labs on platforms like EC-Council iLabs, TryHackMe, Pentest Garage, PortSwigger, and PicoCTF, gaining practical experience in diverse security domains including:
  - Network Scanning & Analysis (e.g., Nmap, Wireshark)
  - Simulate real world cyber threats such as ethical hacking, computer forensics, and penetration testing.
  - Capture the Flag (CTF) challenges, applying a wide range of offensive and defensive security principles.

- **Auditory Sensing Game:** Developed an innovative Auditory Sensing game designed specifically for autistic students under the State Council of Educational Research and Training (SCERT).

Certificates & Courses

- Cyber Threat Management (Cisco Networking Academy)
- Certified IT Infrastructure & Cyber SOC Analyst (RedTeam Hacker Academy Bangalore, 2025 May – 2025 October)
- Flutter Development (Doctosmart Calicut, 2024 December – 2025 January)
- Internet of Things -Value added course (Kannur University)