SURENDRA S

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PROFESSIONAL SUMMARY

Results-driven **Cybersecurity Analyst** pursuing M.Tech in Cyber Security with hands-on experience in **network monitoring, penetration testing, and vulnerability assessment**. Skilled in tools such as **Wireshark, Nmap, and Kali Linux**, with a strong grounding in **TCP/IP, cryptography, and Python scripting**. Demonstrated ability to **identify, analyze, and mitigate** security threats through simulated attacks and lab environments. Eager to contribute analytical, technical, and problem-solving skills to protect enterprise networks and digital assets.

CORE COMPETENCIES

Network Security: TCP/IP, DNS, Firewalls, IDS/IPS
Tools & Technologies: Wireshark, Nmap, Burp Suite, Metasploit, Kali Linux.
Programming & Scripting: Python, Linux, Shell, Command Line (CLI)
Cyber Concepts: Encryption, Cryptography, Vulnerability Management, Threat Analysis, Penetration Testing
Soft Skills: Problem Solving, Collaboration, Time Management, Critical Thinking

CERTIFICATIONS

- Introduction to Cybersecurity – Cisco Network Academy
- Workshop on IoT Hands-on Experience – Karanadu Technologies
- Practical Cyber Security for Cyber Security Practitioners – NPTEL

PROJECTS

- **Network Traffic Monitoring:** Captured and analyzed live network packets using Wireshark to detect security issues and anomalies.
- **DoS Attack Simulation:** Simulated Denial of Service attacks using LOIC to evaluate network resilience.
- **Password Strength Checker:** Developed a tool to evaluate and enforce secure password policies.
- **Network Topologies Simulation:** Simulated Bus, Star, Ring, Mesh, Tree, and Hybrid topologies using Packet Tracer.
- **Junior Pentester Labs:** Designed practical labs for penetration testing of real-world vulnerabilities.
- **SECURE Web Application:** Built a deliberately insecure web application for practicing XSS, SQL Injection, Command Injection, and authentication flaws.
- Portfolio: https://santhusuri.github.io/portfolio/

EDUCATION

- M.Tech – Cyber Security (Pursuing), The Oxford College of Engineering, Bengaluru (VTU), 2023 – 2025
- B.E – Computer Science & Engineering, Govt. Engineering College, Ramanagara (VTU), 2019 – 2023, CGPA: 7.25

LANGUAGES

Kannada, English, Tamil, Telugu, Hindi