Vyshnav P C

Kannur, Kerala - 670562
+91 8157982477 • vyshnavpc007@gmail.com
https://www.linkedin.com/in/vyshnav-pc/

Professional Summary

Final-year B.Tech student in Electronics and Communication Engineering with strong interest in Cybersecurity, Digital Forensics, and SOC operations. Completed hands-on projects involving network simulation, system monitoring, and forensic analysis using industry tools like Wireshark, Cisco Packet Tracer, and Autopsy. Proficient in Python and Linux CLI. Actively pursuing real-world cybersecurity labs and CTF platforms. Motivated to launch a career in threat detection and incident response.

Technical Skills

Cybersecurity: Threat Detection, SOC Concepts, Digital Forensics (Basics), Log Analysis

Networking: Cisco Packet Tracer, TCP/IP, OSI Model, VLAN, Firewalls, Wireshark

Programming: Python, Bash, C, SQL

Tools: Linux CLI, Wireshark, Autopsy, FTK Imager, Nmap, Burp Suite, Vosk, Git

Soft Skills: Problem-solving, Attention to Detail, Teamwork, Curiosity

Education

NSS College of Engineering, Kerala
B.Tech, Electronics & Communication *2025*
CGPA: 6.47/10

Class 12 (CBSE) *2021*
93.4%

Class 10 (CBSE) *2019*
93.2%

Projects & Labs

Basic SOC Investigation Lab (Simulated): Simulated a basic SOC environment using Windows event logs and Sysmon. Parsed logs using Python and visualized suspicious login attempts. Practiced alert triage and report creation.

Cisco Packet Tracer Network Setup (Networking Project): Designed and configured a simulated enterprise network using Cisco Packet Tracer. Implemented VLANs, static routing, port security, and packet capture for analysis.

Wireshark Traffic Analysis Lab: Analyzed captured packets from different protocols (HTTP, DNS, ARP). Identified malicious traffic and abnormal patterns using filters and timing analysis.

Digital Forensics Case Study Using Autopsy: Examined a mock disk image using Autopsy and FTK Imager. Recovered deleted files, extracted browser history, and built a forensic report.

Emergency Ping using 8051 and GSM (Course Project): Built an emergency alert system using microcontroller and GSM module. Conceptually linked hardware triggering to SOC alerting.

Wi-Fi Jammer (Security Hobby Project): Created a basic deauthentication-based Wi-Fi jammer to understand wireless vulnerabilities. Explored ethical hacking tools and responsible disclosure practices.

Library Database Management System: Built using Python and MySQL. Demonstrated CRUD operations

and role-based access control.

Certifications

NPTEL: Ethical Hacking and Cybersecurity
Coursera: Cybersecurity Tools & Cyber Attacks (IBM), Deep Learning Essentials (NVIDIA)
Self-paced: Wireshark Fundamentals, Autopsy Basics, Packet Tracer Essentials

Achievements

Hackathon: Chakravyuha: National-level hackathon organized by IEEE SB NSSCE
Competition: First Runner-up – Ripple Quest State-level Ideathon by IEST
Logic League: Special mention for logic-based problem-solving (IEEE)

Workshops

Workshop on Vega Processors and Embedded Hardware Design

Extra-Curricular Activities

Music, Movies, CTF Challenges (TryHackMe), Linux Tinkering

Areas of Interest

Security Operations Center (SOC), Digital Forensics, Packet Analysis, Incident Response, System Security

Declaration

I hereby declare that the above furnished information is true and correct to the best of my knowledge.

VYSHNAV PC