Lohith G

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Professional Summary

Cybersecurity and Digital Forensics enthusiast with strong hands-on experience in hardware diagnostics, penetration testing, and analytical problem-solving. Certified Penetration Tester (CPT) with practical exposure to network analysis, vulnerability assessment, malware investigation, and digital evidence acquisition using industry-standard tools like Wireshark, Nmap, Autopsy, Burp Suite, and Kali Linux. Proficient in full-stack development and AI-based automation solutions, with a strong ability to integrate hardware, software, and security concepts to build secure, optimized systems.

Education

- Bachelor of Computer Applications (BCA) — Presidency College, Bangalore (2022–2025)
Grade: 7 CGPA

- Certified Penetration Tester (CPT) — RedTeam Hacker Academy (2025)
Score: 88/100

Professional Experience

Computer Hardware Technician — Lenovo-Comp Guy, Bangalore
Jun 2024 – Present

- Performed chip-level repairs, advanced diagnostics, BIOS recovery, and performance optimization for laptops and desktops.

- Delivered customer-focused technical support, upgrade recommendations, and configuration consultations.

- Collaborated with service teams to ensure fast turnaround, accurate issue resolution, and 100% customer satisfaction.

- Assisted users in selecting new or refurbished laptops based on performance benchmarks and compatibility factors.

- Utilized Lenovo hardware tools, system imaging utilities, and component-level servicing workflows.

Projects

AI Placements Helper (2024)
- Developed a full-stack AI-powered web app integrating LLMs via llama.cpp and cloud APIs.
- Built frontend using React.js and backend using Express.js with JWT authentication.
- Implemented job analytics engine for resume-JD comparison, insights extraction, and auto-report generation.
- GitHub: github.com/LohithG2503/Ai_Placements_Helper

Smart Shopping Cart — Arduino Project
- Designed automated billing and inventory tracking prototype using Arduino microcontrollers.
- Integrated RFID modules, load sensors, and LCD for seamless user interaction.
- Presented at college expo and recognized for innovation and practical execution.

Homelab — Blue Team & DFIR Infrastructure
- Engineered an isolated, virtualized security environment using VirtualBox, integrating a SIFT Workstation for forensics and a Windows 10 Enterprise victim node.

- Architected a centralized logging pipeline by deploying Sysmon for kernel-level endpoint visibility and configuring NXLog to forward telemetry to a custom Ubuntu/Syslog-ng server.

- Implemented network segmentation using Host-Only adapters and configured firewall rules (UFW, Windows Defender) to ensure safe malware analysis and secure log aggregation.

-GitHub : https://github.com/LohithG2503/My-Personal-DFIR

Extracurricular & Volunteering
- NSS Volunteer (2021–2022): Participated in community awareness programs, rural development, and cleanliness drives.

Skills
Programming Languages: Python, C++, JavaScript

Frameworks & Software: Node.js, Express.js, MongoDB, React.js, Arduino IDE, Git, VS Code, Postman

Cybersecurity & DFIR Tools: Wireshark, Nmap, Autopsy, Burp Suite, Metasploit, FTK Imager, Kali Linux, SysInternals

Operating Systems: Windows, Linux (Ubuntu, Kali), macOS

Soft Skills: Troubleshooting, Problem-Solving, Team Collaboration, Client Communication, Adaptability.