Manas S

Mangaluru, Karnataka, India, 574153

Cybersecurity Student Passionate About Linux, Networking and Open-Source

☎ +91-9620855052 ✉ salianmanas@gmail.com Ⓜ medium.com/@salianmanas

in linkedin.com/in/manassalian ○ github.com/Manas-salian

Education

Sahyadri College of Engineering and Management   **Sept 2023 – Dec 2027**
Bachelor of Engineering in Computer Science   *Mangalore, Karnataka*

Technical Skills

Languages: C, C++, Bash, Python, SQL, HTML, CSS, JavaScript
Tools: Burp Suite, Wireshark, Google Chronicle SIEM, Postman, git, linux
Cybersecurity Frameworks: OWASP, NIST-CSF, GDPR

Experience

CoE Digital Forensics and Cybersecurity   **Oct 2024 – Dec 2024**
Cybersecurity Intern   *Mangalore, Karnataka*

- Researched wireless networking protocols and their vulnerabilities. Built and configured a Pwnagotchi device to automate the collection of **WPA/WPA2 handshakes** for network vulnerability assessment.
- Simulated real-world network topologies using **Cisco Packet Tracer**. Configured routers, and firewalls virtually to implement secure and efficient network architectures
- Setup a wired LAN consisting switches and firewalls, enabling seamless collaboration and improving productivity for the members of the CoE.

Projects

Pwnagotchi | *Linux, IEEE 802.11, John*   **January 2025**

- Developed and configured a Pwnagotchi device using a **Raspberry Pi Zero W** to passively collect WPA/WPA2 handshakes for **wireless network security** assessments.
- Utilized AI-based reinforcement learning to optimize handshake capture efficiency.
- Used **John the Ripper** to test the strength of Wi-Fi passwords by cracking captured WPA/WPA2 handshakes.

Homeserver/Self hosted VPN | *Linux, Bash, Wireguard*   **December 2024**

- Implemented a home server using **Ubuntu Server** for efficient **network storage**, **media streaming**, and **remote access**.
- Developed and configured **SMB File Sharing** with **Samba** for remote file management across devices and integrated **Jellyfin** for hosting and streaming personal media libraries.
- Configured **WireGuard VPN** and set up **port forwarding** to enable secure remote access to the server from external networks.

InvisiGuide – Chrome Extension | *JavaScript, APIs*   **November 2024**

- Built a Chrome extension to enhance the web accessibility for visually impaired users by reading aloud the onscreen content
- Integrated **SpeechSynthesis API** to convert the text to speech for various webpage elements.
- Implemented a content script to identify and respond to mouseover events, triggering speech playback for selected content.

Organizations

Cybersecurity Lead - Sahyadri Open Source Community   **Sept 2024 – present**

- Part of the Organizing committe of DevHost 2024 hosting **30+ industry speakers** and **1000+ attendees** over **3 days**.
- Organized and led an **inter-college CTF**, demonstrating event management, leadership, and coordination skills while applying cybersecurity knowledge.

CoE Digital Forensics and Cybersecurity, Mangaluru   **Oct 2024 – present**

- Actively participating in CTF's and researching cybersecurity topics.

Certifications

Google Cybersecurity Certification   **February 2024**
Risk mitigation, System hardening, Network security, Attack surface analysis, Vulnerability assessment.   *Coursera*

Postman API Fundamentals   **February 2024**
Built a fullstack webapp powered by AI and Hugging face API that summarizes text, with the help of Postman.   *Postman*