

MEDICHERLA NAGA SRI VENKATA SIVA SATYA SAI

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OVERVIEW

Enthusiastic and detail-oriented Cybersecurity trainee with foundational knowledge in network security, risk assessment, threat analysis, and vulnerability management. Skilled in using security tools like Wireshark, Nmap, and basic SIEM systems. Strong understanding of cybersecurity principles, ethical hacking basics, and compliance standards such as ISO 27001 and GDPR. Committed to continuous learning and practical application of security protocols to safeguard digital assets.

AREA OF EXPERTISE

- **Core Competencies:** Network Security, Risk Assessment, Threat Analysis, Vulnerability Management, Penetration Testing, Ethical Hacking, Compliance Standards (ISO 27001, GDPR).
- **Programming & Scripting:** Python, C/C++, Bash/Shell Scripting, HTML, CSS, JS.
- **Security Tools:** Wireshark, Nmap, Metasploit, Kali Linux, SIEM Systems.
- **Technical Skills:** Network Fundamentals, Web design, UI/UX Design

EDUCATION

Bachelor of Computer Science Manav Rachna University | 2024 - 2028(Pursuing)

- Specialization: Cyber Security and Threat Intelligence.
- Performance : 7.23

Intermediate (MPC) Sri Chaitanya College | 2022 - 2024

- Board: APBIE
- Performance: 90.1 Percentile.

Secondary School Certificate (10th Class) Sri Chaitanya School | 2021 - 2022

- Board: APBSE
- Performance: 92.6 Percentile.

PROFESSIONAL EXPERIENCE

Cyber Security Trainee Plasmid Cybersecurity | Jan 14, 2025 – March 14, 2025

- **Vulnerability Assessment:** Conducted comprehensive vulnerability assessments and identified critical security gaps in simulated environments to strengthen system defenses.
- **Penetration Testing:** Learned and applied penetration testing techniques using industry-standard tools like Kali Linux, Metasploit, and Wireshark.
- **Threat Analysis:** Worked on real-world case studies, analyzing recent cyberattacks to understand attack vectors and proposing effective mitigation strategies.
- **Compliance:** Gained exposure to international security standards including ISO 27001 and GDPR regulations.

RELEVANT PROJECTS

Tor Project (Plasmid Training)Role: Security Researcher / Trainee

- **Deep Dive into TOR Architecture:** Conducted an in-depth analysis of how TOR routes traffic through multiple relays (Entry, Middle, and Exit nodes) to ensure user anonymity and privacy.
- **Network Traffic Analysis:** Utilized Wireshark to intercept and study encrypted TOR communication patterns, identifying how data is packetized and anonymized over the network.
- **Outcome:** Gained a deep understanding of onion routing and privacy-focused network architectures.

Footprinting by Nmap (Plasmid Minor Project)Role: Network Analyst

- **Host Discovery:** Executed network scans to successfully identify active devices, mapping out network topology and logging IP addresses.
- **Port Scanning:** Evaluated open ports on target systems to determine accessible services, identifying potential entry points for security risks.
- **Vulnerability Mapping:** Correlated open ports with known service vulnerabilities to assess the security posture of the target network.