M. Gowtham Satya Sai (Cyber Security)

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Profile Summary

Cybersecurity enthusiast with expertise in **web security, penetration testing, and vulnerability assessments**. Passionate about securing applications, identifying threats, and strengthening security protocols. Strong foundation in **OWASP Top 10, network security, and bug bounty hunting**.

Skills

- **Cyber Security**: Vulnerability Assessments, VAPT, Bug Hunting, OWASP Top-10, Ethical Hacking
- **Networking**: CCNA, TCP/IP, UDP, Network Configuration
- **Programming Languages**: Python, JavaScript
- **Tools & Platforms**: GIT, Linux, Windows, AWS

Professional Experience

Independent Cybersecurity Projects
Cybersecurity Analyst and Developer
2024 - Present

- **Conducted security testing** on the college's server and web applications, uncovering vulnerabilities that could impact approximately 2,000 students and faculty members.
- Discovered and reported **multiple security vulnerabilities** to the college IT team, contributing to overall system security and reducing unauthorized access by securing:
    - **FTP Port Access**: Identified an open FTP port, preventing unauthorized server access and mitigating potential data breaches.
    - **Directory Exposure**: Located open directories containing sensitive content, facilitating security adjustments that reduced risk of information exposure by 80%.
    - **SQL Injection and XSS Vulnerabilities**: Documented potential SQL injection and XSS risks, leading to the implementation of stricter input validation protocols across 50+ web pages.

- Developed and documented **Packet Sniffer Tool** to analyze network traffic, improving instructional capabilities for network security labs and benefiting over 100 students per semester.

Education

B. Tech in Computer Science Engineering (Cyber Security)
Kakinada Institute of Engineering & Technology, Korangi
2022 - 2026 | CGPA: 8.7

Projects

- **Packet Sniffer Tool** (*2024*)
  Developed a tool to capture and analyze network packets in real-time for educational purposes. The tool displays packet data including source and destination IP addresses, protocols, and payload information through a user-friendly command-line interface.
- **Key Logger** (*2024*)
  Created a key logging tool for monitoring keystrokes, designed strictly for controlled environments to demonstrate security vulnerabilities and promote ethical usage.
- **Implement Caesar Cipher** (*2024*)
  Designed a simple encryption program using the Caesar Cipher algorithm, showcasing classic encryption techniques and their applications in data protection.

Languages Known

- English
- Hindi
- Telugu