Bottu Teja Sai

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in Bottu Teja Sai

About Me

I'm a motivated and curious individual with a strong passion for cybersecurity. I enjoy thinking differently and diving deep into complex concepts. I'm looking for opportunities where I can grow in the field of cybersecurity and apply my skills to solve real-world problems creatively.

Education

B.Tech **Velagapudi Ramakrishna Siddhartha Engineering College**   2022 – present
Information Technology

- CGPA: 7.2/10

Technical Skills

Programming Languages: C, Python, Bash Script

Tools & Technologies: Nmap, Wireshark, Metasploit Framework, Burp Suite, John the Ripper

Frameworks / Platforms: Microsoft 365, Android Studio

Operating Systems: Linux, Windows

Strong In: Networking, Cryptography

Projects

Dynamic Pattern-Based Text Steganography with Advanced Encryption

- **Tools/Tech Used:** Python, AES-256-CBC, PBKDF2, Unicode Zero-width Characters, Crypto Libraries (pycryptodome), SHA-256, Custom Dynamic Encoding
- **Description:** Developed a system that embeds encrypted files (any format) into text documents using a user-defined code. The code dynamically generates invisible Unicode patterns, enabling secure and undetectable file transmission.
- **My Contribution:** Served as Team Lead. Responsible for project planning, algorithm and system design, core module development, and final project documentation and presentation.

Security Testing System for No-Code and Low-Code Web Applications

- **Tools/Tech Used:** Python, OWASP ZAP, Nikto, SQLmap, Metasploit, Nmap, OpenVAS, Gemma3 (local LLM), Ollama, HTML Report Generator
- **Description:** Created an AI-powered automated system to scan low/no-code web applications for vulnerabilities using security tools. The system explains results via a local LLM and generates human-readable security reports.
- **My Contribution:** Worked as Team Lead. Managed overall project execution, designed architecture, coordinated tool integration, guided development, and presented final results.

Certifications

Introduction to Kali Linux Basics – Simplilearn
Issued: Mar 2025
Course covered ethical hacking, penetration testing, and Kali Linux tools.
Certificate ☒

Linux Beginner Commands – Udemy
Issued: Dec 2024
Hands-on experience with essential Linux commands, enhancing terminal skills.
Certificate ☒

CCNA: Introduction to Networks – Cisco Networking Academy
Issued: Oct 2024
Learned core networking concepts, IP addressing, subnetting, and protocols.

The Joy of Computing using Python – NPTEL
Issued: May 2024
Covered Python programming, problem-solving, and computational thinking.
Certificat ☒

Interests / Hobbies

Deep interest in exploring and understanding advanced technologies

Enjoy taking initiative in both academic and cultural activities, always ready to lead or support.

Thrive in both team environments and independent roles with strong communication and adaptability.

Known for being a good planner and an attentive listener, ensuring smooth collaboration and execution.