

Thota Narendra

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Summary

Computer Science Engineering undergraduate with a strong foundation in Python and the secure software development lifecycle (SDLC). Experienced in building automated tools for vulnerability assessment and risk analysis. Passionate about championing secure coding practices, conducting code reviews.

Education

BTech, Vel Tech University, Chennai(2022-2026) – CGPA: 8.4/10
Intermediate, Sri Chaitanya, Vijayawada(2020-2022) – Percentage: 87
High School, Sri Chaitanya, Piduguralla (2019-2020) – Percentage: 97

Internship

Could Security Trainee June 2025 – Oct 2025

- Analyzed system logs and network traffic to identify potential security vulnerabilities and supported incident response activities
 - Perform network administration tasks, including the configuration and monitoring of cloud firewalls to troubleshoot connectivity and ensure network health.
 - Utilize Azure Monitor to identify, track, and assist in resolving system and network-related problems.
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Technical Projects

CVE Information Fetcher and Visualizer ([GitHub](#)) *Tech Stack: Python, Flask, PostgreSQL, HTML, CSS*

- Built an automated pipeline to fetch and normalize NIST NVD JSON data, extracting key CVE fields for real-time vulnerability tracking.
- Implemented filtering logic and a lightweight database to prioritize high-risk CVEs for faster triage.
- Developed a Flask REST API to expose prioritized vulnerability data for dashboards and alerting systems.

MockAPI Enterprise: Microservice Platform for API Testing ([GitHub](#)) *Tech Stack: FastAPI, Redis, RBAC, JavaScript*

- Built a scalable microservices platform using FastAPI and React, including a Manager API (Auth/RBAC/WebSockets) and a Mock Engine for dynamic data serving.
- Added advanced testing features using Redis-backed stateful mocks, simulated latency, and failure injection to support chaos and resilience testing.
- Developed a real-time logging pipeline with Redis and FastAPI WebSockets, and implemented end-to-end RBAC across the application.

My Nmap Scanner ([GitHub](#)) *Tech Stack: React, Tailwind CSS, Vite, Flask, Python, JS*

- Built a Python-based CLI tool to automate Nmap scans using the python-nmap library.
 - Implemented selectable scan modes (SYN-ACK, UDP, Comprehensive) with programmatic parsing of results.
 - Automated extraction and clean presentation of host status, open ports, and active protocols.
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Skills

Programming Languages: Python, Rust
Area of interest: Data Structures and Algorithms, Object-Oriented Programming, DBMS, OS
Web Development: HTML, CSS, React.js
Databases: SQL, MySQL
Tools: VS Code, GitHub, Burp Suite, OWASP ZAP, Nmap, Microsoft Azure, ELK Stack, Splunk, Metasploit

Certifications & Achievements

Certifications

Python Essentials – [Link](#)
Cisco Certified Network Associate (CCNA 1,2,3) – [Link](#)
Google CyberSecurity Certification – [Link](#)
Advent of Cyber 2024 – [Link](#)
Belkasoft (Advance) – [Link](#)

Achievements

National Level Hackathon X – [Link](#)
Secured 2nd place in prelims and 4th place in semifinals conducted by National Cyber Security Research Council at VIT-AP.

National Level Technical Symposium – [Link](#)
Won 3rd prize in Cryptic Quest and Info Hunter at SRM Valliammai Engineering College.