

Narendra Thota

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Profile

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.

Professional Experience

Cloud Security Trainee, [Siter Academy](#)

Remote 06/2025- present

- 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.

Skills

- Programming Languages:** Python, Rust (Beginner)
- Platforms & Tools:** TryHackMe, OWASAP ZAP, Burp Suite, Microsoft Azure, Github, VScode, Hacker Rank, SQLMap, Gobuster, Nmap, Nessus, ELK Stack, Splunk, Metasploit.
- Libraries & Framework:** Numpy, Scapy, BeautifulSoup3, Pandas, OSINT.
- Databases:** MySQL, SQLite.

Projects & Open Source

CVE Information Fetcher & Visualizer — [Link](#)

Python, Automation, HTTP API Integration

- Built an automated Vulnerability assessment tool to fetch and parse NIST NVD JSON datasets daily, **extracting key CVE attributes** like CVSS scores, severity, and affected products for **real-time vulnerability tracking**.
- Developed filtering and normalization logic to highlight critical vulnerabilities, **enabling faster triage** and **simplified integration** into dashboards and alerting systems.

LLM-Driven Security Assistant — [Link](#)

Python, Hugging Face APIs, NLP

- Engineered an LLM-powered assistant that transforms unstructured CVE descriptions into **standardized threat summaries, severity ratings, and exploit classifications**.
- Automated the generation of mitigation strategies and remediation actions, creating a tool that helps **educate developers** on **secure coding** best practices by providing clear, actionable advice.

Education

Vel Tech Institute of Science and Technology

Avadi, Chennai, India 2022–2026

B.Tech in Computer Science and Engineering (Cyber Security)

Percentage: 86%

Sri Chaitanya Junior College

Vijayawada, Andhra Pradesh 2020–2022

Intermediate (Math, Physics, Chemistry)

Percentage: 87%

Sri Chaitanya School

Piduguralla, Andhra Pradesh 2019–2020

Grade X

Percentage: 95%

Online Courses & Certifications

Python Essentials	Cisco Net Academy	May, 2025
Cisco Certified Network Associate - 1, 2, 3	Cisco Net Academy	May, 2025
Digital Forensics Techniques Certification	Belkasoft	Feb, 2025
Python (Basics)	Hacker Rank	Jan, 2025
Advent of Cyber 2024	TryHackMe	Dec, 2024
Google CyberSecurity Certification	Coursera	Feb, 2024

Achievements

National Level Hackathon X [Certificates](#) Feb, 2025
Secured **2nd position** place in the preliminary round and **4th place** in the semi-finals of **Hackathon X** with my team, organized by National Cyber Security Research council at VIT-AP University.

National Level Technical Symposium [Certificates](#) Aug, 2024
Secured **3rd prize** in the event **Cryptic Quest** and **Info Hunter** held on 24th August 2024 at SRM Valliammai Engineering College.

Workshops & Extracurricular Activities

- Participated in **International Yoga Day** held on 21st June 2025.
- Attended **Cyber Carnival** on 20th February 2025 at SRM Institute of Science and Technology, Ramapuram, Chennai.
- Attended **Emerging Trends and Impact of Artificial Intelligence in Cybersecurity** on 07th February 2025.
- Attended **Digital Forensics and Incident Response** workshop on 30th January 2025.
- Participated in **404-CTF Technical Symposium** at Multi Tech Institution on 14th March 2025.
- Participated in **Cyber Real World Challenges** workshop held on 23rd–24th February 2024.
- Attended **Cybersecurity Essentials** workshop on 13th October 2023.
- Participated in **Oracle PL/SQL and Real World Scenarios** workshop on 23rd September 2023.