

Vijayan Sankar

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PROFESSIONAL SUMMARY

Cybersecurity student skilled in network security, web penetration testing, and threat analysis. Leverages web development expertise to identify and mitigate vulnerabilities, focused on proactive threat detection and innovative solutions.

EDUCATION

Shiv Nadar University, *B.Tech Computer Science (Cybersecurity)*
CGPA : 8.35 (till Semester 3)

Aug 2023 – Present

The PSBB Millennium School, OMR,
Higher Secondary : 94%

Jun 2022 – Jun 2023

SKILLS

Cybersecurity: CTFs, Penetration testing, OSINT, Metasploit Framework, OWASP Top-10

Web Development: Svelte, ReactJS, NextJS, TailwindCSS, MongoDB

Tools: Wireshark, BurpSuite, NMAP, Nessus, Git

Operating systems: Linux (kali, arch, parrot), Windows, MacOS

Programming Languages: Python, C/C++, Java, Typescript

PROJECTS

NullPointerBot, *Python, AstraDB*

Independently designed and implemented a Python-based Discord bot to streamline CTF event management, incorporating key features such as team management, dynamic question handling, score tracking, and AI-driven interactions (RAG) for concise conversation summaries.

HackYourLMS, *Svelte, TailwindCSS* 🔗

Developed an interactive cybersecurity simulation platform tailored for beginners, focused on key vulnerabilities such as IDOR, SQL injection, and DDoS attacks. Future enhancements aim to incorporate the OWASP Top 10 attacks, expanding the educational scope and providing a comprehensive learning experience.

MurderMystery CTF, *NextJS, TailwindCSS* 🔗

Developed a user-friendly interface and ensured seamless integration of various challenge types, enhancing the overall participant experience. Received positive feedback from participants and organizers for innovation and execution under time constraints.

Cache Simulator, *Svelte, TailwindCSS* 🔗

Developed a Svelte-based simulator for L1, L2, and victim cache systems, featuring random/manual address input and visualizations. Deployed on Vercel for educational use, with plans for future enhancements including configurable cache parameters and advanced memory hierarchy simulations.

Campus Internship Buddy, *NextJS, TailwindCSS, SMTP* 🔗

Created a transformative online platform that empowers students and faculty to connect through internship and research opportunities. By facilitating startup discussions and enabling job applications and interviews, the platform fosters collaboration, enhances career readiness, and cultivates a thriving academic community.

ACHIEVEMENTS

- Top 3% on TryHackMe, a leading cybersecurity platform used by 3 million users.
- Placed 12th in NexusCTF (Out of 400 teams)
- Placed 3rd in Password CTF (held at VIT Chennai)
- Placed 2nd in Enigma Quest CTF (held at SSN College of Engineering)