

CHEEDELLA SAI NIKHIL

B.Tech (Computer Science Engineering)

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GitHub: <https://github.com/Sainikhil-hub>

Portfolio: [Sai Nikhil — Portfolio](#)

PROFILE HIGHLIGHTS

- Cybersecurity-focused CSE student with hands-on experience in **Nmap**, **Wireshark**, and vulnerability analysis
- Built projects including a **multi-threaded Python port scanner** and a **smart health monitoring system**
- Senior Developer at **RAIoT Lab** with experience in IoT, Linux, and network-level problem solving
- Ranked Top 10 in national-level Jeopardy-style CTF at MNIT Jaipur

INTERNSHIP EXPERIENCE

- **Organization:** Oasis Infobyte. (virtual mode) (Dec 2025 – Jan 2026)
Brief Description:
 - Performed network reconnaissance using **Nmap** across 1,000 ports, identifying 3 open services and documenting findings for formal reporting.
 - Configured **UFW firewall** on Linux with default-deny policy, whitelisting SSH and blocking HTTP to reduce attack surface.
 - Analyzed live **HTTP traffic via Wireshark**, identifying GET requests, 200 OK, and 301 redirects to map client-server communication flow..

EDUCATIONAL QUALIFICATION

Qualification	University/ School	Graduating Year	CGPA / Percentage
B. Tech CSE	Amity University Rajasthan, Jaipur	2028	9.35
12 th	Excellencia Junior College	2024	98
10 th	Neelkanth Vidyapeeth International School	2022	89

TECHNICAL SKILLS

- C, C++, Python, HTML, CSS, Git, GitHub, Nmap, Wireshark, Linux, MYSQL, IoT, Hardware (Microcontrollers, Sensors, Motors), Cybersecurity.

CERTIFICATION COURSES/ PROFESSIONAL TRAINING COURSES

- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate ([Link](#)) Oct 2025
- Introduction to Cybersecurity – Cisco Networking Academy ([Link](#)) Mar 2026
- Deloitte cyber job simulation – Forage ([Link](#)) Mar 2026

PROJECTS

- **MedPulse — Smart Health Monitoring System.**

Brief Description:

- Built a real-time hospital portal tracking ICU beds, blood inventory, and ambulance services for Government of Telangana hospitals.
- Developed a **Node.js + Express REST API** (9 endpoints) with **MySQL**, secured via **JWT**, **Helmet**, and rate limiting.
- Implemented role-based access (Public/Admin/Government), Crisis Mode, and 6-language support.
- [GitHub-Link](#)

- **Advanced Port Scanner**

Brief Description:

- Built a **multi-threaded TCP port scanner** in Python using socket programming with **1-thread-per-port architecture**, enabling fully parallel scanning across custom port ranges.
- Achieved significantly faster scan speeds vs single-threaded scanners by eliminating sequential blocking — scanning **1,000 ports simultaneously**.
- [GitHub-Link](#)

ACHIEVEMENTS

- Ranked **10th in Jeopardy-style CTF** competition at MNIT Jaipur technical fest, solving challenges across cybersecurity domains.
- 1st Place – Quiz Competition, Amity University.
- 1st Place – Debate Competition, Amity University.
- Merit Scholarship Recipient – Amity University.