Kuchipudi Pranav Sai

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EDUCATION

Gandhi Institute Of Technology and Management, Vizag	**2022-2026**
B.Tech in Computer Science and Engineering	GPA: 8.12
Narayana College N-120 CO-IPL, Kanuru	**2020-2022**
Class 12	88.9%
Sri Chaitanya CO-IPL School, Tadigadapa	**2020**
Class 10	98%

PROFESSIONAL EXPERIENCE

Security Analyst   July 2024 - Present

Andhra Pradesh Technology Services (APTS), Government of India

- Conducted vulnerability assessments using penetration testing tools including Burp Suite, SQLMap, and OWASP-ZAP
- Assisted in monitoring security systems, identifying potential threats, and implementing security measures
- Worked with IT teams to deploy security controls, firewalls, and intrusion prevention systems
- Gained practical experience in web development with HTML, CSS, JavaScript, React, Node.js, and MySQL

Member - GitHub Web-Security Community   September 2024 - Present

GITAM University

- Led cybersecurity projects using Apache Web Server, Kali Linux, and Burp Suite
- Organized workshops and training sessions on cyber threats, risk mitigation, and security best practices
- Conducted hackathons, CTFs, and quizzes to enhance students' cybersecurity knowledge

PROJECTS

Meditech E-Card   Smart India Hackathon 2024

Tech Stack: HTML, CSS, React, Next.js, MySQL, Node.js

- Developed a system to avoid medical treatment delays and errors by assigning unique IDs to individuals, ensuring previous medical reports accessibility
- Enabled hospital administration to update medical reports upon patient discharge
- Implemented a superadmin role to ensure allocation of necessary policies and reflect updates in patient portal

Raksha App   Safety Application

Tech Stack: HTML, CSS, React, MySQL, Node.js, JWT Tokens

- Developed a women's safety application that tracks live location and enables quick emergency responses
- Integrated an OTP authentication system to ensure secure access

Traffic Flow Controller   Transportation Solution

Tech Stack: HTML, CSS, React, MySQL, Node.js

- Designed a system to reduce accidents by suggesting alternative routes
- Implemented alerts for users about accidents or bad weather conditions ahead

Encrypted student project portal: Smart India Hackathon 2023

- Built an online platform to showcase student projects encrypted format of hiding their project details to the target attackers.

- Enabled peer learning and cross-functional research by providing access to diverse project information

- Included encryption algorithms like RC4, AES-128, SHA-256 etc.. to encrypt project details .

(YOU CAN REFER MY GITHUB TO TRY THE DEMO FOR ABOVE PROJECTS I MENTIONED)

TECHNICAL SKILLS

Programming Languages:	JavaScript, Python, C, GoLang
Web Development:	HTML, CSS, React.js, Next.js, Node.js, Express.js, Flask, Tailwind-CSS, Docker
Database:	MySQL, MongoDB
Cybersecurity Tools:	Burp Suite, SQLMap, Nmap, OWASP-ZAP, Wireshark, Metasploit, Nessus, Splunk, Hashcat, Aircrack-ng, GnuPG, Cisco Packet Tracer
Operating Systems:	Kali Linux, CentOS, Windows

CERTIFICATIONS

- Pre-Security – TryHackMe

- Junior Penetration Testing – TryHackMe

- Introduction to OWASP ZAP – TryHackMe

- Offensive and Defensive Security – TryHackMe

- HTB CTF Competition

- Microsoft AI Security Fundamentals

- Microsoft Governing and Protecting Sensitive Information in the Age of AI

- ServiceNow Certifications (In Progress)

- NPTEL Elite category certificate for Software Testing course provided by IIT Madras.

ACHIEVEMENTS

- **Merit Scholarship:** Awarded a 25% merit scholarship for outstanding academic performance

- **Smart India Hackathon:** Twice nominated for the national round of SIH, a prestigious nationwide competition for innovative problem-solving

- **Certificate of Appreciation:** Received from Pragnya Student Club for contributions to student initiatives

- **Volunteering:** Volunteered for SHORE-2025, the biggest student festival at GITAM