Pranjal Mitra

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SUMMARY

Enthusiastic and detail-oriented computer science student with a strong foundation in backend development, cybersecurity, and automation. Proven ability to deploy secure applications and solve complex challenges through CTFs, hackathons, and real-world projects. Known for a proactive approach to learning and problem-solving, with a passion for building innovative solutions. Seeking an internship to apply technical skills and contribute to impactful projects within a collaborative team.

EDUCATION

B.Tech: Computer Science Spl. Cyber Physical Systems   August 2023 - Present
Vellore Institute of Technology, Chennai   9.01 GPA
Higher Secondary   March 2023
D.A.V Public School, Haldia   89%

TECHNICAL SKILLS

Programming Languages: C,C++,Java, Python ,Go, Solidity
Web Development Technologies: HTML,CSS,Javascript,Express.js,Node.js,MongoDB,Postman
Devops: Vercel,Docker,Heroku
Cybersecurity and Pentesting: Kali Linux,Burpsuite,Wireshark,Hydra,Metasploit

EXPERIENCE

R&D Lead (Cybersecurity Department) OSPC VITC   October 2024 – Present
- Organized and led cybersecurity workshops and events focused on cybersecurity technologies and tools.
- Contributed to open-source tools for that can be used in Capture-the-Flag(CTFs) and penetration testing.

Technical Team Member at MIC,CYSCOM and ACM VITC   August 2024 – Present
- Contructed Capture-the-Flag(CTF) challenges and conducted hackathons.
- Made Docker Setups for multiple projects.

GSSoC'2024 Contributor
- Contributed in many open source projects.

PROJECTS

Swatantra   September 2024
Collaborated in a team of six to design a web app to automate the RAC recruitment process for DRDO.
- Developed a streamlined user interface and backend workflow to optimize applicant tracking and evaluation.
- Ensured team alignment with project standards and best practices for secure and efficient development.

Chained Hash Generator   October 2024
Created a script that generates hash in a more secure way.
- Generated hash by chaining two hashing algorithms.(Python)

Pixel Decoder   October 2024
Made an open source contribution of a tool that regenerates distorted image.
- Developed a script that regenerates a distorted image based on a timestamp seed.(Python)

SOFT SKILLS

- **Teamwork and Collaboration:** Works effectively within diverse teams to achieve goals
- **Leadership:** Demonstrates initiative and motivates others to achieve shared objectives
- **Effective Communication:** Skilled in conveying ideas clearly and engaging with others
- **Problem Solving:** Analyzes complex issues and implements practical solutions
- **Strategic Thinking:** Approaches challenges with foresight and creativity for optimal results

LANGUAGES

English(Proficient)   **Hindi**(Proficient)   **Bengali**(Proficient)   **French**(Intermediate)