RAHUL KUMAR YADAV

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EDUCATION

Integrated M.Tech (B.Tech + M.Tech) in Computer Science and Engineering with a specialization in Cybersecurity, VIT Bhopal University   Sept. 2022 – Ongoing

SKILLS

Cybersecurity	Cryptography, Network Security, Ethical Hacking
Web Development	HTML, CSS, ReactJS, NodeJS

EXPERIENCE

Cyber Security Intern   Feb 2025 - Mar 2025
The Red Users   *Remote*

- Worked on web security, focusing on identifying and mitigating vulnerabilities in web applications.
- Conducted security audits on 5 network devices, identified 6t vulnerabilities, and implemented improved firewall configurations using Windows Defender, reducing potential intrusion attempts by an estimated 40%.
- Used tools like Windows Defender Firewall, Wireshark, OWASP ZAP, and WebGoat to analyze and secure networks and web applications.
- Learned security best practices by working on real-world scenarios involving firewalls, vulnerability identification, and penetration testing.

Human Resources Intern   Jun 2024 – Aug 2024
Paritranaya Global Pvt. Ltd.   *Remote*

- Engaged in diverse HR functions, including hiring, recruitment, and onboarding of new employees.
- Oversaw daily task management, monitored project deadlines, and assisted team members in resolving issues.
- Managed a process re-engineering project to improve and consolidate end-to-end service processes; restructured communication flow in different departments and cut down paperwork by 25%.

PROJECTS

Personal Portfolio Website. Showcased personal skills and projects using JavaScript, Python, and HTML/CSS. Designed and developed independently to highlight technical expertise and experience. (View here)

Post Quantum Cryptography. Created a cryptographic technique using multiple modern ciphers to resist quantum computing attacks, aiming to enhance security by making it challenging for quantum computers to crack.

EXTRA-CURRICULAR ACTIVITIES

- Orchestrated technical infrastructure for DataLize, a data science club event, configuring software and hardware for 2 workshops and ensuring optimal functionality for 150+ attendees, enhancing the event experience.
- **Member, Photography Team, Gujarati Club.** Captured and edited 500+ high-resolution photos and videos, showcasing the club's events and activities, which were used across the organization's marketing channels

LEADERSHIP

- Co-Lead of the Ethical Hacking Department at the Cyber Warrior Club, VIT Bhopal University. Spearheaded the development of Capture The Flag (CTF) challenges, engaging over 50+ participants in club events.