

# 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

<b>Cyber Security Intern</b> The Red Users	Feb 2025 - Mar 2025 <i>Remote</i>
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- Worked on web security, focusing on identifying and mitigating vulnerabilities in web applications.
- Conducted security audits on 10+ network devices, identified 15+ 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.

<b>Human Resources Intern</b> Paritranya Global Pvt. Ltd.	Jun 2024 – Aug 2024 <i>Remote</i>
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- 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 among 10 departments and cut down paperwork by 75%.

## 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 10+ Capture The Flag (CTF) challenges, engaging over 200+ participants in club events. Led the technical management of 5+ cybersecurity workshops and hackathons, ensuring seamless execution. Oversaw all technical operations, contributing to a 20% increase in event participation and enhancing hands-on learning experiences for members.