

# Kartik Jain

Mumbai | [career@jkartik.in](mailto:career@jkartik.in) | [JKartik.in](https://www.jkartik.in) | [LinkedIn/KartikJain1410](https://www.linkedin.com/in/KartikJain1410) | [GitHub/KartikJain14](https://github.com/KartikJain14)

## Education

---

NMIMS University - Mukesh Patel College, BTech - Information Technology

- CGPA: 8.81 / 10.0 (Second Semester)

## Experience

---

R.U.D.R.A Cybersecurity, Security Engineer Intern

- Integrated and automated **BBOT** for external attack surface monitoring, reducing manual overhead and saving **\$20,000 annually**.
- Developed a custom **Semgrep module** for dynamic code analysis and visualized results via **Neo4J**.
- Discovered and reported **2 HIGH severity vulnerabilities** (LFI and Broken Access) in a banking client's web portal; performed manual code review and automated detection with Nuclei.
- Deployed and tested **Sliver C2** framework for purple team exercises to simulate real-world attack scenarios.

## Cybersecurity Projects

---

### Offensive Security

- Identified a **Privilege Escalation** vulnerability in **Meta's WhatsApp** platform.
- Reported and disclosed vulnerabilities in Microsoft platforms including **Intune** and **Exchange Admin**.
- Responsible disclosure of a **Stored XSS** in the **Mumbai Police** website in coordination with CERT-In.

### Defensive Security

- Hardened server infrastructure protecting data of over **16,000+ users**, mitigating critical threats.
- Prevented a ransomware breach by swiftly deploying a secure backup and recovery solution.
- Designed and deployed a **CTF challenge** using JavaScript and HTML for a cybersecurity event with **moderate difficulty**.

## Technical Projects

---

- **HindCribе**: Created a **Hindi call transcription tool** using AI (*Vosk, Argos Translate*) for bi-directional conversion between Hindi and English. [\[Source\]](#)
- **Taqneeq App Backend**: Developed secure backend APIs for NMIMS' tech fest with referral and loyalty systems. Enabled real-time data integration in Flutter. [\[App\]](#)
- **Mumbai MUN System**: Engineered backend with FastAPI for user management, passwordless login, QR-based attendance, and automated notifications. [\[Source\]](#)
- **Discord Automation Bots**: Developed bots for onboarding, access control, and event reminders across 3 organizations; saved **10+ hours/event**. [\[GitHub\]](#)
- **Certificate Verifier**: Built an end-to-end event certificate distribution and verification portal with Flask and SQL; integrated LinkedIn credential share. [\[Source\]](#)
- **CloudFrost**: Deployed a secure subdomain management SaaS via Cloudflare with Google OAuth authentication; enabled controlled domain issuance. [\[Demo\]](#)

## Leadership & Involvement

---

- **Core Member** at [ACM MPSTME](#) and organizer at [Taqneeq](#), leading 15+ technical volunteers.
- Proactive team player passionate about innovation, cybersecurity education, and open-source.

## Skills

---

**Languages:** Java, Python, TypeScript, JavaScript, C++

**Technologies:** Git, Docker, MongoDB, SQL, Azure, Oracle Cloud, Postman, BurpSuite, Nmap, Neo4J, NextCloud, Postgres, Windows, Ubuntu, Arch Linux, Discord Bots, Minecraft Servers & Plugins