

Kartik Jain

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Education

NMIMS University - Mukesh Patel College, BTech - Information Technology

Oct 2024 – May 2028

- Current GPA (Sem I): 7.79/10.0

Cybersecurity

Offensive

- Discovered a security bug in Meta's WhatsApp that lead to privilege escalation.
- Identify an information disclosure bug in Microsoft's Intune (365 Organization Admin Panel).
- Revealed a Stored XSS in Mumbai Police website and helped with mitigating the issue with CERT-In.

Defensive

- Mitigation of servers to protect and secure data of over 16k+ users.
- Bypass a ransomware attack by implementing a quick and secure alternative.
- Built a single page CTF to find the password in HTML and vanilla JS (Difficulty - Medium) for induction week for a college community.

Projects

Formulated a Hindi audio-to-text transcription tool using AI and ML technology. This tool converts Hindi Call Recordings into English and Hindi text.

[Source](#), Python, Flask, Vosk, Argos-Translate

Built the backend for NMIMS' technical fest app, implementing a loyalty program with referral features and integrating the frontend in Flutter for data dynamization. App is available for [Android & iOS](#).

Python, Flask, Flutter, SMSAuth, GoogleAuth

Contributed to Mumbai MUN's backend, improving functionality with features like magic links for password recovery, QR scanning for key operations, and bug fixes in the app's development kit.

[Backend](#), Python, FastAPI, EmailAuth, SQLite

Created customized Discord bots for college communities to automate tasks like onboarding participants, saving hours of manual work.

[Bot 1](#), [Bot 2](#), discord.py, Java (JDA), MongoDB

Created a portal to distribute event certificates via email and LinkedIn, with functionality to verify authenticity on the portal.

[Source](#), [Demo](#), Python, Flask, SQL, Docker

Developed a free subdomain distribution service using Cloudflare, incorporating Google authentication for secure access.

[Source](#), [Demo](#), Typescript, GoogleAuth, MongoDB

Extra Curriculars

Leadership / Management

Core Member at [ACM - MPSTME](#), [Taqneeq NMIMS' Official Technical Fest](#) - Handling over 15 talents collectively to achieve goals together.

Rapid learner with a strong ability to adapt to new technologies.

Enthusiastic about community engagement and collaborative projects.

Technologies

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

Technologies: Git, Docker, MongoDB, SQL, Azure, Oracle Cloud, Postman, Burpsuite, Nmap, Windows, Ubuntu, Arch Linux, Minecraft Servers & Plugins.