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 translates 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.