

# PRATIK RAJ

Bihar, India

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## Education

### National Institute of Technology

Master of Computer Applications, **CGPA- 8.19**

Kurukshetra, Haryana

Aug. 2023 – Present

### College of Commerce, Arts and Science,

Bachelor of Computer Applications, **Percentage-68.6**

Patna, Bihar

Jan. 2020 – Jan. 2023

### Holy mission sec School

Class XII, **Percentage-69.8**

Patna, Bihar

July, 2020

### Vishashvi public School

Class X, **Percentage-72.6**

Patna, Bihar

May, 2018

## PROJECTS

### **BUY & BLAST** | MERN Stack, Cloudinary, Tailwind CSS, Framer Motion

Jun. 2025 – Aug. 2025

- Engineered a full-stack Buy and Sell web application using React frontend and Node.js/Express backend.
- Implemented JWT-based authentication for secure user login and session management, and built REST APIs for product listing and filtering to enhance user experience
- Integrated Cloudinary for image upload and storage of product photos.
- Optimized UI with Tailwind CSS styling, Prebuilt UI, Framer Motion animations, and React-Toastify notifications.
- Adopted by 60+ verified college users, proving real-world reliability and usability.

### **Attendance Management System** | HTML, CSS, JS, Python, Node.js, Express

Jun. 2024 – Present

- Designed a face-recognition-based attendance system using Python and DeepFace.
- Constructed Node.js/Express APIs to manage attendance records in MongoDB.
- Built role-based dashboards for students, teachers, and admins.
- Automated attendance marking with real-time face matching and Excel report generation.

### **Decoding Destiny** | Astrology CLI App — Java, API Integration

Jan. 2024 – Apr. 2024

- Created a Java-based CLI app to generate Vedic astrology predictions.
- Utilized OOPs principles, exception handling, and regex parsing in Java.
- Connected an external API to fetch real-time planetary data.

## Technical Skills

**Languages:** Java, C, Python, SQL, HTML, CSS, JavaScript (ES6+)

**Concepts:** OOPs, Data Structures & Algorithms (DSA), Operating Systems, DBMS, Computer Networks

**Frameworks/Tools:** ReactJS, Node.js, Express.js, Tailwind CSS, Framer Motion, Git, GitHub, VS Code

**Databases:** MongoDB, MySQL

**Other:** Postman, Linux, MS Office

## ACHIEVEMENTS

Solved 300+ Data Structures and Algorithms (DSA) problems across LeetCode and GeeksforGeeks, improving problem-solving and analytical skills

## CERTIFICATIONS

- Virtual Internship in Ethical Hacking and Penetration Testing** – C-DAC Noida ( May 2024 – Jun 2024)
- Graph Theory Programming Camp** – AlgoUniversity (Mentored by Codeforces Master Manas Kumar Verma), solved 17 advanced graph problems
- Certificate of Appreciation as Student Coordinator** – Short Term Course on Machine Intelligence and Vision Algorithms (MIVA-2024), NIT Kurukshetra
- Certificate in Data Analytics with MS Excel** – Institution's Innovation Council & Mexperts, NIT Kurukshetra; participated in “Master Data Analytics with MS Excel” (Jan 22, 2025)
- Certificate in Data Analytics** – participated in “Expert Talk on Data Analytics” (Feb 8–9, 2025)