



# Praveen Kumar Prajapati

Roll No.: 2022UG1055

Bachelor Of Technology

Computer Science and Engineering

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## EDUCATION

### Indian Institute of Information Technology, Ranchi

Bachelor of Technology in Computer Science and Engineering

8.63 CGPA

Expected 2026

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, C/C++, SQL, HTML5, CSS3

**Developer Tools:** Node.js, Git, GitHub, Postman, MongoDB Compass, MySQL Workbench, Jupyter Notebook, Visual Studio Code

**Frameworks & Libraries:** React.js, Redux Toolkit, Tailwind CSS, Express.js, Tanstack Query, Mongoose, EJS, C++ STL, Zod, ShadCN UI, Socket.io

**Cloud Services/Databases:** MongoDB Atlas, MySQL, Auth0, JWT, Cloudinary, Render, Vercel, Stripe

**Coursework:** Data Structures, Algorithms, Operating Systems, Computer Networks, DBMS, Python Programming, C Programming

## PERSONAL PROJECTS

### MernEats.com

Aug 2025

Tools: React.js, Node.js, Express.js, MongoDB, TypeScript, Stripe, Cloudinary, Auth0, Tailwind CSS, ShadCN UI

- Designed and implemented a Food Ordering and Delivery web application leveraging TypeScript, React, Node, Express, and MongoDB, ensuring scalability, maintainability, and performance across 100% of tested platforms.
- Integrated secure registration and login functionalities with Google OAuth, managing JWT access tokens efficiently within local storage, and configured 5+ protected routes for authorized user access.
- Developed 10+ unique features such as allowing users to view real-time order status updates and empowered restaurant administrators with intuitive dashboards to update and manage orders effectively.
- Enhanced API performance by 30% using TanStack Query with caching and revalidation, while ensuring data integrity through Mongoose, Express Validator, React Hook Form, and Zod for validation.
- Engineered file upload functionalities by integrating Multer for multipart form handling, enabling restaurant image uploads and securely storing image assets in Cloudinary, thereby improving content management workflows.
- Integrated Stripe for secure payments and used webhooks to sync transaction data with the database.

### MERN Chat

July 2025

Tools: React.js, Express.js, Cloudinary, Socket.io, MongoDB, Tailwind CSS, DaisyUI, Zustand

- Built a real-time chat application supporting 6+ features like text and image messaging with Socket.io for communication.
- Designed a fully responsive interface with Tailwind CSS and DaisyUI, optimized for mobile and desktop, and implemented 10+ themes (dark, light, etc. mode) to enhance user experience.
- Utilised JWT-based authentication and authorization to secure user access, while enabling real-time display and filtering of online users for interactive communication among 2 parties.
- Managed application state efficiently with Zustand, ensuring smooth and consistent user interactions.
- Persisted chat history for last 45 days in MongoDB and handled image uploads via Cloudinary, ensuring reliable data storage and retrieval.

### Codecast

Apr 2025

Tools: React.js, Express.js, Node.js, MongoDB, Bootstrap, Socket.io

- Developed a collaborative coding platform with 5+ unique features that allow multiple developers to edit the same file simultaneously.
- Architected 5+ robust functionalities like room creation with unique IDs and usernames for session management, while enhancing UX through Bootstrap styling, React Avatar visuals, and React Hot Toast notifications.
- Integrated Socket.io to enable seamless, low-latency(approx. 50ms) real-time code synchronization across users.

## ACHIEVEMENTS

- Qualified the GATE (Graduate Aptitude Test in Engineering) – Computer Science 2025, demonstrating strong technical proficiency and analytical skills.
- Solved over 700 Data Structures and Algorithms problems on various coding platforms.
- Earned Python Programming Certificate from Kaggle.

Profiles

Certificate