

# Prakhar Mishra

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## EDUCATION

### Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science and Engineering, CGPA: 8.71/10

Bhopal, Madhya Pradesh

Oct 2022 – Present

### MARIGOLD PUBLIC SCHOOL, KATEWARA

Class XII (CBSE) , Percentage: 78.2%

North-west Delhi, Delhi

Apr 2020 – May 2021

### MODEL SCHOOL, SEC-4

Class X (CBSE) , Percentage: 94.5%

Rohtak, Haryana

Apr 2018 – May 2019

## TECHNICAL SKILLS

**Languages:** C++, Python, HTML, CSS, JavaScript

**Frontend:** React, React-redux , TailwindCSS

**Backend:** Node.js , Express.js, RESTful APIs

**Database:** MySQL , Firebase , MongoDB

**Tools & Platforms:** Git , GitHub , Excel, VS Code , Power-Automate Desktop

**Professional Skills:** Planning, Formal Communication, Team Collaboration

## TECHNICAL PROJECTS

### Chit-Chat Chat-App with Web-Socket | *MERN Stack, Socket.io , Cloudinary , React-toast*

Aug 2025 – Aug 2025

- Full-stack real-time messaging platform built with React.js, Node.js, and MongoDB. Implemented JWT authentication with protected routes and Socket.io for instant messaging.
- Features include online/offline status indicators, profile management with Cloudinary image uploads, and unread message tracking.
- Developed responsive UI with Tailwind CSS and managed state using React Context API.
- Created RESTful APIs with Express.js and implemented real-time communication with WebSocket connections for seamless user experience.
- Improved image handling with Cloudinary, cutting load times by 30%.
- Designed responsive UI, improving user retention by 25%.

### Heart Failure Prediction | *Python, Scikit-learn*

Apr 2024 – Jun 2024

- Led a 5-member team to develop ML models (Random Forest, SVM, Logistic Regression) achieving 89.75% accuracy.
- Preprocessed and analyzed 1,000+ patient records.
- Optimized dataset with feature selection, boosting reliability by 30%.
- Optimized performance through feature selection and cross-validation, reducing variance by 15%.

### Swiggy - Food Delivery App Clone | *React, Tailwind-CSS, JavaScript and real-time APIs*

Oct 2023 – Nov 2023

- Developed a responsive food delivery web app replicating Swiggy's core features to strengthen full-stack fundamentals.
- Features include live restaurant and menu data, dynamic routing, and cart state management.
- Leveraged Redux for robust, centralized client-side state management, ensuring a consistent and synchronous UI/UX in a collaborative environment.
- Leveraged Redux to improve state sync, reducing UI bugs by 35%.
- Delivered a responsive design that improved mobile usability by 40%.

## CERTIFICATIONS

Oracle Cloud Infrastructure 2024 Generative AI Certified Professional - *Oracle*

## EXTRACURRICULAR ACTIVITIES

### Deloitte Australia Data Analytics Job Simulation on Forage — *Forage*

September 2025

- Completed a Deloitte job simulation involving data analysis and forensic technology.
- Created a data dashboard using Tableau.
- Used Excel to classify data and draw business conclusions.

### Core-Member — *Microsoft Club, VIT Bhopal*

Jul 2023 – May 2024

- Organized 4+ technical events with 500+ attendees each.
- Organized and competed in successful teams for the IOS Club, including three hackathons , attracting 300+ participants.

### Event Co-ordinator — *Pi Mathematics CLUB, VIT Bhopal*

Jul 2024 – Apr 2025

- Organized 4 annual events, while managing media production and enhancing engagement through strategic communication and social media.