

MANAV PATEL

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Education

VIT Bhopal University , Bhopal

Oct 2022 - Jun 2026

B.Tech in Computer Science and Engineering (CGPA: 8.63)

K. D. Ambani Reliance Foundation School

May 2020 - May 2022

Class 12 Percentage (CBSE): 74.8%

Class 10 Percentage (CBSE): 91.2%

Work Experience

Jio Platforms Limited

Oct 2024 – Dec 2024

SDE Intern

Mumbai

- Developed and shipped front-end features in React.js, implementing component-driven architecture and responsive design; reduced page load time by 20% and closed 10+ frontend tickets.
- Diagnosed and fixed UI & state-management issues, stabilizing the application and decreasing regression incidents by 15%.
- Collaborated with senior engineers on performance optimizations (lazy loading, code-splitting, memoization), improving perceived performance and maintainability.

Technical Skills

Languages: Java, JavaScript, TypeScript

DevTools: Postman, VSCode, GitHub

Backend: Node.js, Express.js

Databases: MongoDB, PostgreSQL

Frontend: React, TailwindCSS, HTML, CSS

Projects

eVentIT — Event Management Platform with In-house Video Meetings

[Github](#)

- Designed & implemented RBAC and secure session management (JWT), simplifying permission flows and preventing unauthorized actions.
- Integrated WebRTC & WebSocket for live video and real-time chat; optimized signaling to support 50 concurrent participants with latency < 200ms.
- Designed a scalable event data model in MongoDB, enabling efficient queries for event listings, registrations, and role-based access.

ELearning (LMS) — Learning Management System for Online Courses

[Github](#)

- Built a MERN + Next.js LMS with SSR for SEO, role-based dashboards, and MongoDB aggregations for real-time analytics.
- Implemented Redis caching, reducing API latency from 300ms to 100ms (67% improvement) and cutting DB reads by 40%.
- Integrated video playback, course reviews, and Q&A forums, enhancing engagement and boosting average session time by 25%.

Achievements

- Practiced 250+ coding problems on LeetCode and GeeksforGeeks, developing proficiency in data structures, algorithms, and coding efficiency.
- Scored in top percentile (79%) among 23,872 candidates in a Cloud Computing certification from NPTEL (IIT Kharagpur).
- Committed to the 100 Days of Code challenge, solving one DSA problem daily for 100 days, enhancing coding consistency and logic-building skills.

Position of Responsibility

BashCraft Club, VIT Bhopal University

Aug 2024 – Jan 2025

Tech Co-Lead

- Spearheaded strategic planning and execution of high-impact technical events, including ideathons with 300+participants to promote innovation and collaboration.

Certifications

- Introduction to Front-End Development