

MANAV PATEL

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Education

Vellore institute of Technology Bhopal, India

2022 - 2026

- CGPA: **8.54**

(expected)

KD Ambani Reliance Foundation School, India

2021 - 2022

- CBSE (Class XII), Aggregate: **74.8%**

KD Ambani Reliance Foundation School, India

2019 - 2020

- CBSE (Class X), Aggregate: **91.2%**

Skills

Programming & Frameworks: Java, JavaScript, Node.js, React, Express.js, TypeScript

Databases: MongoDB, PostgreSQL

Web Development: HTML, CSS, Tailwind

Tools & Others: Git, Version Control Tools

Core Subjects: Operating System, Database Management System, Computer Networks, OOPs, Data Structures & Algorithms

Work Experience

Jio Platforms Limited

Software Development Intern

(14.10.2024 - 16.12.2024)

- **Developed** and **optimized** web applications using **React.js**, adhering to modern web development standards and improving application performance by **20%**.
- **Debugged** and **resolved** over **50+** UI and functionality issues, enhancing application stability and user experience.
- **Engaged** with senior engineers and mentors to gain insights into scalable, high-performance system architectures.
- **Contributed** to platform optimization, achieving a **15%** improvement in load times and **10%** better resource utilization.

Projects

EventIt / (Nodejs, Express, React, MongoDB, WebRTC, WebSocket)

- **Architected** a scalable event management platform for **1,000+** users using the **MERN stack**, achieving **99.5% system uptime**.
- **Designed** a secure, role-based hierarchical system with two account types (**100+ teachers, 900+ students**), improving data privacy and access control.
- **Implemented** event creation, editing, and deletion modules, boosting scheduling efficiency by **60%** and reducing manual administrative workload by **40%**.
- **Built** a seamless 3-step event registration interface, leading to a **70%** increase in student participation rates.
- **Integrated** real-time video conferencing with **WebRTC** and **WebSocket**, supporting up to **200 concurrent users** with **30%** lower latency and enhanced call stability.

ConnectEZ / (AgoraRTC, AgoraRTM, JavaScript, HTML, CSS)

- **Engineered** a real-time collaboration platform handling **1,000+ users with 99.9% uptime**, incorporating video calls, instant messaging, meetings, and screen sharing.
- **Optimized 1080p HD** video calls via **AgoraRTC**, achieving latency under **150ms** for sessions with up to **100 participants**.
- **Integrated** real-time messaging with **AgoraRTM**, efficiently handling **10,000+ messages/day** with delivery speeds under **50ms**.
- **Implemented** screen sharing functionality supporting **50+ simultaneous users**, improving collaboration session productivity by **60%**.
- **Designed and developed** a fully responsive UI/UX with HTML5, CSS3, and Vanilla JavaScript, increasing mobile and cross-platform user retention by **45%**.

Academic and Extracurricular Achievements

- Practiced **130+** coding problems on *LeetCode* and *GeeksforGeeks*, developing proficiency in data structures, algorithms, and coding efficiency.

Certifications

- [Cloud Computing course \(NPTEL, IIT Kharagpur\)](#) – Scored 79%.
- [Market Analysis certification \(NPTEL, IIT Kharagpur\)](#) – Score: 77%.
- [Bits and Bytes of Computer Networking by Google.](#)
- [Introduction to Front-End Development by Meta.](#)