

ABHISHEK P

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EXECUTIVE SUMMARY

Full Stack Developer (MERN) with hands-on experience at **Codemodulo Technologies**, building production apps with **React**, **Node.js** and **MongoDB**. Developed **real-time features (WebRTC/Socket.IO)** and secure **JWT authentication**. Optimized performance through responsive **UIs (Material UI/Bootstrap)** and **CI/CD pipelines**. Passionate about clean, scalable solutions.

EDUCATION

Bachelor of Engineering – Computer Science

Dec 2022 - Present

Sir M Visvesvaraya Institute of Technology, Bangalore, India

SKILLS

- **Frontend** : JavaScript, TypeScript, React.js, HTML5, CSS3, Bootstrap, Material UI
- **Backend** : Node.js, Express.js, MongoDB, RESTful APIs, JSON, JWT Authentication
- **Tools** : Git, GitHub, VS Code, GitHub Actions (CI/CD), WebRTC, Socket.IO
- **Methodologies** : Agile, CI/CD, Modular Architecture, Cross-Browser Testing
- **Soft Skills** : Creative Debugging, Team Collaboration, Communication, Problem-solving

EXPERIENCE

React Intern

Mar 2025 – Apr 2025

Codemodulo Technologies Pvt Ltd, Bangalore, India

- **Built 4+ React apps** with **modular** components and **REST APIs**, improving performance by **50%**.
- **Reduced API calls by 30%** via **Redux middleware integration** and optimized state logic.
- **Refactored legacy code** using **React hooks** to boost speed and **developer efficiency**.
- **Resolved 35% of UI issues** with **responsive**, cross-browser **testing** across devices.
- Applied **caching and throttling** to cut **network payloads by 30%** and speed up loading.
- Set up **CI/CD** with **GitHub Actions** for smooth deployment and regression-free updates.
- **Designed pixel-perfect UIs** with **Tailwind and MUI**, increasing **mobile engagement by 25%**.

TECHNICAL PROJECTS

SYNAPZ – AI Chat Application

MERN Stack | [GitHub](#) | [Live Demo](#)

- Developed a **full-stack AI chat platform** inspired by **Modern AI platforms**, integrating multiple AI models via the **OpenRouter API**.
- Built **real-time** conversational interface using **React** and **Node.js** with persistent **MongoDB-backed chat history**.
- Enabled **multi-model support** and **JWT-secured endpoints** for **reliable user interactions**.
- Designed a **responsive dark-themed UI** with modular **React** components and **smooth transitions**.

Tech: React, Node.js, Express, MongoDB, JWT, OpenRouter API, Vite, Material UI

ACONOVA – Stock Market Web Application

MERN Stack | [GitHub](#) | [Live Demo](#)

- Build a **full-stack trading dashboard** inspired by Zerodha UI using **React, Node.js, Express, and MongoDB**.
- Integrated **JWT-based authentication** and **REST APIs** for secure user/order flows.
- Crafted **responsive UI** with reusable components and **Chart.js** for stock data visualization.
- Optimized **API calls** and load times with **efficient state handling** and backend structuring.

Tech: React, Node.js, Express, MongoDB, JWT, Chart.js, Material UI

CONFERA - Video Conferencing Web Application

MERN Stack | [GitHub](#) | [Live Demo](#)

- Created a **peer-to-peer** video call platform using **WebRTC, Socket.io** and **Simple Peer** with secure room-based routing.
- Implemented **Express/MongoDB authentication** to **control access** and **manage** meeting sessions.
- Enabled **real-time** screen sharing, mic/camera toggles, and chat features using **modular React** components.
- Designed for **cross-device responsiveness** with focus on **lightweight architecture** and **low latency**.

Tech: React, WebRTC (Simple Peer), Socket.IO, Node.js, Express, MongoDB, JWT

CERTIFICATIONS & COMPETITIONS

Full Stack Web Development (MERN Stack) – Apna College | 2025

- Designed full-stack web apps using **MongoDB, Express.js, React, and Node.js**, following modular architecture.
- Built **RESTful APIs** with Express.js and integrated **MongoDB Atlas** for scalable cloud storage.
- Implemented **JWT-based authentication** and session handling for secure user access and protected routes.
- Created **responsive, cross-device UIs** using React and CSS3, improving user experience and accessibility.

NASA Space Apps Challenge – 2024

- Led a **3-member** team to build **Orrey**, a real-time solar system visualization web app.
- Constructed using **React, Three.js, and jQuery** to simulate planetary motion and near-Earth object tracking.
- Designed an interactive UI with **scalable orbits, Wikipedia integration, and astronomical data overlays**.
- Completed in **48 hours** for the **NASA Space Apps Challenge 2024** and submitted to the global platform.

ACHIEVEMENTS & INTERESTS

- **Qualified JEE Advanced 2022**, demonstrating strong analytical skills in mathematics, physics, and chemistry.
- Passionate about **UI/UX design**, building personal tools and web apps to address real-world user problems.
- Actively contribute to **open-source projects** and collaborative coding communities.
- Enthusiastic about **software engineering, system design**, and creating scalable, user-centric solutions.

OTHER DETAILS

- **Languages Known:** English, Kannada, Hindi, Tamil, Telugu
- **Technical Interests:** Competitive programming, Open-source development, UI/UX prototyping
- **Personal Interests:** Badminton, Tech blogging, Collaborative projects