Madhav Garg

LinkedIn | Github | LeetCode | Portfolio

EDUCATION ENROLLMENT

Kalvium UG Program – B.Tech in Computer Science (Software Product Engineering)   **2024-2028**

Chitkara University, Baddi Campus

TECHNICAL SKILLS

Languages: Java (Intermediate), C++ (Intermediate), JavaScript (Intermediate)

Frontend: React.js, HTML, CSS, Tailwind CSS

Backend: Node.js, Express.js, MongoDB, REST APIs, JWT, Multer

Tools & Platforms: Git, GitHub, Postman, MongoDB Atlas, Vercel, Netlify, Firebase

PERSONAL STATEMENT

Full-stack developer with hands-on experience building scalable MERN applications. Proficient in React, Node.js, MongoDB, and Firebase, with strong skills in REST APIs, JWT auth, and responsive UI. Actively practicing DSA to strengthen core algorithmic thinking and system design fundamentals.

EXPERIENCE

Coffee Chat – Community-Centric Social Web Platform   March 2025 – Present

Github Repo Link | Deploy Link

Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT, Firebase, Cloudinary, Tailwind CSS

- Built a full-stack social web app connecting 50+ users across 20+ communities with real-time interaction and event participation features.

- Integrated Google OAuth via Firebase to support secure authentication for 100+ user sessions.

- Engineered modular group and event management with protected search and CRUD operations for 50+ events and 20+ groups.

- Configured Cloudinary API to handle 50+ image uploads with optimized cloud storage.

- Designed a fully responsive UI using Tailwind CSS, improving mobile usability and layout consistency across devices.

- Increased community discoverability by 30% through smart group filtering and event listing logic.

Gym Management System – Role-Based Member Manager   February 2025 – May 2025

Github Repo Link | Deploy Link

Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT, Tailwind CSS

- Developed a full-stack MERN application for managing 100+ gym members with role-based access control across 4 user types (admin, trainer, staff, client).

- **Implemented JWT-based login/signup authentication with protected routes for secure member access.**

- **Built member CRUD functionality with MongoDB integration, form validation, and user-specific data filtering.**

- **Designed a custom, modern UI with Tailwind CSS and Lottie animations for enhanced UX and feedback on success states.**

- **Achieved a 30% improvement in frontend performance by optimizing state handling and reducing re-renders on member list pages.**

Leadership & Campus Engagement

Class Representative | Kalvium UG Program   **September 2024 – Present**

- Elected CR by a cohort of 30+ students for strong communication, leadership, and reliability.

- Facilitated weekly syncs between students and faculty to streamline course updates and resolve concerns.

Academic Achievements

- Scored **10/10 CGPA** in **CJP (Sem 1 & Sem 2)**; **Ranked 1st** in class (Sem 2), **Top 2%** overall.

- Deployed **3 MERN full-stack apps** with secure Google OAuth & JWT, used in academic demos and reviews.

Open Source & Deployment Contributions

- Maintainer of production-ready MERN stack projects like **Coffee Chat** and **Gym Management System**, handling full-stack architecture and modular code organization across 40+ files.

- Integrated features like **Google OAuth**, **Cloudinary uploads**, and **JWT-authenticated routes** into production systems.

- Delivered **100+** structured Git commits, ensuring clean version control and collaboration.

- Deployed projects on **Vercel**, **Firebase**, and **Render** with CI-ready workflows for real-time updates and scalability.

- Followed best practices for **file structuring**, **environment config**, and secure **token-based** authentication.