

TEJAS PATEL

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EDUCATION

University Institute of Technology, RGPV, Shivpuri
Bachelor of Technology in Computer Science & Engineering

2022 – 2026
CGPA: **7.12**

SKILLS

Languages	C, C++, Python, JavaScript, TypeScript, SQL, HTML5, CSS3
Frameworks & Libs	React.js, Node.js, Express.js, Redux, Prisma ORM, Vitest
Databases	MySQL, PostgreSQL, Redis
Tools & Platforms	Git/GitHub, Docker, Postman, VS Code, Render, Vercel
CS Fundamentals	Data Structures & Algorithms, DBMS, OS, OOPs

PROJECTS

FuturePath Finder | *React.js, Node.js, Express.js, MySQL, Prisma, Redis, Gemini-API, REST-API* [Live/GitHub](#)

- **Developed** a comprehensive, centralised job preparation platform that aggregates the best preparation resources and details for the Government, Private, and IT sectors, reducing user search time and preparation effort 50%.
- **Leveraged** the **Gemini API** to generate personalised AI roadmaps and integrated an instantaneous chatbot; dedicated a separate page for curated AI productivity tools, boosting user efficiency by an estimated 40%.
- **Optimized** backend API performance and database architecture using **Redis caching** and efficient SQL queries, **reducing** average response times by over 80% and improving overall system scalability.
- **Strengthened** platform integrity using **JWT-based authorization** and **Google OAuth**; implemented real-time **OTP verification** via **MailerSend** to ensure **100% authenticated** user access and data security.

Brain-Body AI | *React.js (TS), CSS, Node.js, Express.js, MySQL, Gemini-API*

[Live/GitHub](#)

- **Designed** Brain-Body AI, an AI-powered wellness chatbot that **uses Gemini-API** to offer personalised fitness, yoga, and cognitive exercises (BMI tracking), increasing user engagement by **40%** using mood-adaptive AI logic.
- **Architected** a secure, scalable full-stack system with **JWT authentication** and **NodeCache**, achieving **50%** faster server responses for real-time support and chat history management.
- Integrated essential usability features like voice input, multilingual support, and personalised daily task guidance with user-selectable **short or detailed response types**.

ChatLock | *React.js, Node.js, Express.js, PostgreSQL, Socket.io, Cloudinary*

[Live/GitHub](#)

- **Developed** a full-stack chat application using **React** and **Node/Express**, successfully adopted by **12+ frequent users**; integrated features like responsive UI, real-time status, and **Cloudinary** for file sharing.
- Constructed a robust backend using **Socket.io** and **PostgreSQL** for high concurrency and reliability (**0% failure rate**); secured individual chats with a specific **6-digit PIN** system using **Bcrypt hashing** for user protection.

ACHIEVEMENTS & CERTIFICATIONS

- Solved **150+** LeetCode and **250+** GeeksforGeeks DSA problems, and achieved a **5-star C++ rating on HackerRank** for advanced algorithmic proficiency.
- **Led a 3-member team** to develop a full-stack Skill Swap Platform for the **Odoo Hackathon**, successfully qualifying for the finals and achieving a **Top 3 rank across college hackathon** participation among 21 teams.
- Undertook virtual experience programs at (Skyscanner, Tata Group), building a scalable web app with accessibility-focused UI and developing a **GenAI-powered analytics model** for an ethical, data-driven collections strategy.
- We developed a production-ready **MERN stack** starter template using a scalable architecture, integrating **Stripe payments**, secure **OAuth / JWT/OTP** authentication, and an **AI Chatbot**, leading to a reduction in development setup time by over **70%**. ([GitHub](#))
- Earned certification tracks in **JavaScript, Python, React, and SQL** through HackerRank and One Roadmap.