

TEJAS PATEL

Lucknow, India

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EDUCATION

University Institute of Technology, RGpv

2022-2026

Bachelor of Technology(B.Tech, CSE)

CGPA: 7.12

PROJECT'S

FuturePath Finder – All-in-One Career & Exam Guidance Platform

Tech Stack: React.js, Node.js, Express.js, MySQL, Prisma ORM, JWT Authentication, Gemini-API, CSS, REST-API, MailerSend

- Developed a **full-stack career guidance platform** centralizing government, private, and IT job/exam details, preparation resources, reducing users' time spent searching across multiple portals by **50%**.
- Designed a **personalized dashboard** with custom **AI-generated** study roadmaps and an Experience Sharing section, driving user retention and consistent study habits.
- Created an **AI Tools page integrating multiple AI utilities across different fields**, reducing exam preparation time by **90%**.
- Built a **secure backend** with **JWT, Google OAuth, and bcrypt hashing**, preventing unauthorized access and ensuring session integrity.
- Developed a scalable and secure **backend** with **Node.js, Express, Prisma ORM**, improving API performance by **40%** for 1000+ users.
- Enabled secure email verification and link-based password reset via MailerSend, boosting account recovery success rate by 35%.

Brain-Body AI – Gemini-Based AI Chatbot for Physical & Mental Fitness Coaching

Tech Stack: React.js with TypeScript, Node.js, Express, MySQL, Gemini AI, JWT, CSS

- Built an AI-powered chatbot using **Gemini API** for personalized fitness and mental wellness coaching, featuring workout plans, cognitive exercises, BMI calculation, **chat history**, Google search integration, **voice input**, and **multi-level, multi-language support**, helping 20+ users improve wellness routines.
- Implemented secure **JWT authentication** and a scalable **full-stack system for real-time**, adaptive guidance, ensuring **data security**.
- Integrated dynamic logic analyzing user inputs, moods, and goals to deliver context-aware, multilingual, personalized wellness recommendations, increasing user engagement by **40%**.

ChatLock – Secure Messaging Application with Private Chat Lock

Tech Stack: React.js, Node.js, Express.js, MySQL, Socket.io, CSS, Cloudinary, JWT

- Built a **real-time chat application** with modern messaging features, including **typing indicators**, "last seen" status, **emoji reactions**, and profile management.
- Designed **ChatLock security** system allowing users to lock private chats with custom **6-digit passcodes**, **encrypted** using **bcrypt**, guiding private conversations against unauthorized access.
- Developed a **Socket.io-based** architecture handling **1000+** concurrent users with **<100ms latency** and zero downtime.

TECHNICAL SKILLS

Languages: C, C++, Python, HTML5, CSS3, JavaScript, TypeScript, SQL

Frameworks & Libraries: React.js, Node.js, Redux, Express.js

Database & API: MySQL, Prisma ORM, REST API

Deployment & Cloud: Render, Vercel, Railway

Technical Skills: DSA, DBMS, Operating Systems, OOPs

Developer Tools: Git/GitHub, Docker, Postman, VS Code, Kafka (Basic)

ACHIEVEMENTS & CERTIFICATIONS

- JavaScript, Python, React, SQL (HackerRank / One Roadmap).
- Engineered a production-ready MERN starter app integrating login/signup, payment gateway, AI chatbot, and profile upload using secure, scalable architecture — reducing development setup time by **70%**.
- Led a team of 3 members during Odoo Hackathon to develop a Skill Swap Platform, enabling users to exchange skills efficiently.
- Solved 150+ DSA problems on LeetCode and 250+ on GeeksforGeeks, strengthening algorithms and data structures expertise.
- Achieved 5-star rating in C++ on HackerRank, demonstrating strong problem-solving skills.
- Ranked among the Top 3 in college hackathons, showcasing innovation, teamwork, and full-stack problem-solving capabilities.
- Completed Skyscanner and Tata Group virtual experience programs, building a scalable web app with accessibility-focused UI and developing a GenAI-powered analytics model through EDA to design an ethical, data-driven collections strategy.