RUTU BHIMANI

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Profile Summary

Computer Engineering student with experience in full-stack development. Created effective solutions, won hackathons, and built working applications. Skilled in MERN stack and database design, focused on developing useful applications for users.

Education

Charusat University   June 2022 - Current
B.Tech in Computer Engineering   GPA: 9.61/10.0

Experience

Software Development Intern   October 2024 – December 2024
Cloud Express Solution, Bangalore

- Developed a User Interaction Tracking System that recorded detailed user activities and contributed to a 25% improvement in user retention.
- Implemented machine learning algorithms to process user session data and automatically adjust website elements based on behavior patterns.

Projects

Skill-Augmentation - Backend Developer   🔗

- Led backend development of a live project for Charusat University based on the NEP scheme where students claim 100 points by achieving certificates, currently utilized by over 3,000 students.
- Designed a structured database system supporting seven distinct user roles with role-based permissions and complex entity relationships.

DR.Live - Full-stack Developer   🔗 ⭘

- Developed an award-winning telemedicine platform using MERN stack (MongoDB, Express, React, Node.js) with integrated WebRTC video calling and real-time chat features.
- Created a medical assistant chatbot using Langchain, Flask, and Gemini that provides personalized health guidance and physician recommendations with 85% accuracy.

Alumni Hub - Backend Developer   🔗 ⭘

- Created a dedicated platform connecting 500+ former graduates, current students, and teaching staff, enabling professional networking and mentorship opportunities.
- Implemented real-time communication features with Socket.io, including instant messaging and engagement tools, increasing user activity by 35%.

Technologies

Languages: JavaScript, TypeScript, SQL, Python, C++, C, Java
Programming: Problem Solving, Competitive Programming, DSA, Git Version Control
Tools/Frameworks: NodeJS, Express, ReactJS, NextJs, Prisma, Sequelize, Langchain, Shadcn UI
Development Tools: Visual Studio Code, GitHub, Postman, MongoDB Compass, Docker
Databases: PostgreSQL, MongoDB

Achievements

- Achieved **Winner** status at ODOO×MSU hackathon from among 900+ entries for developing the DR.Live telemedicine platform, recognized for technical innovation and problem-solving approach.
- Secured **Runner-up** position in Breach 2025, Gujarat's largest FinTech hackathon at PDPU, implementing innovative financial technology solutions that gained recognition from industry experts.
- Attained **Runner-up** placement in InnoTech 1.0 among 100+ participating teams at CSPIT-CE's project showcase competition, demonstrating exceptional innovation and technical expertise.