

Jadeja Krishnapal Singh

FULL STACK DEVELOPER

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Summary

Aspiring Software Developer with hands-on experience in MERN & PERN stacks, C++, and Java. Intrigued with web development and AI, and with experience in developing scalable full-stack applications. Examples of completed work include an ecommerce website and a dynamic user-based quiz generator web application. Currently engaged with a live project at university about the assessment of SGPs, internship reports, and exams. Proficient in creating effective, sustainable code and providing effective solutions.

Education

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|-----------------------------|-----------------------------|
| Charusat University | March 2023 - Present |
| B.Tech-Computer Engineering | 9.06 CGPA |

Projects

Live Reporting System

Tech Stack : PostgreSQL, Express.js, React.js, Node.js

The project is an University web app for evaluating SGPs, internship reports, and exam results. It allows students to track progress and submit reports, while faculty provide feedback.

- Models and Routes: Developed APIs, models, and schemas for company details management in the database.
- Excel Sheet Integration: Built an API to import company information from an Excel sheet and migrate the data into the database.
- Certificate creation: Created an API to fetch company information from the database and automatically create a NOC (No Objection Certificate) letter for students.
- Data Validation: Added data validation logic for each attribute to maintain precision and integrity of database.
- Optimized Excel Endpoint: Improved API performance by implementing bulk data insertion, batching the data to minimize database operations and significantly enhance performance

QuiziFY

Tech Stack: MongoDB, Express.js, Node.js, EJS, TailwindCSS

 [Link](#)

This is a secure Quiz Web Application with JWT authentication, role-based access, real-time timers, automated scoring.

- Database Design: Designed and implemented MongoDB schemas to store user profiles, quiz data, and quiz results.
- Quiz Management: Created an Admin panel to design, modify, delete, and administer quizzes with the power of managing quiz material, timing, and format.
- Real-time Timer and Scoring: Built a session-based timer for accurate tracking, integrated AI-driven quiz generation, and implemented automated scoring with results stored in the database.
- Quiz Results API: Implemented an API to display users the correct answers and score upon the completion of a quiz.

Skills

Database: MongoDB, PostgreSQL, MySQL

Backend: Node.js, Express.js, Prisma, Sequelize, REST APIs, Socket.IO

Frontend: React.js, Javascript, EJS, HTML, CSS, TailwindCSS

Languages & Core: C, C++, Java, Python, Data structure and Algorithms

DevOps & Tools: Git, Github, Postman, Docker

Certifications/Participations

- NPTEL – Data Structures & Algorithms Certification([Certificate](#))
- Smart India Hackathon Participation
- Nirma University Hackathon Participation([Certificate](#))