

# Jadeja Krishnapal Singh

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## SKILLS SUMMARY

- **Languages:** C, C++, JavaScript, TypeScript, SQL
- **Backend:** Node.js, Express.js, REST APIs, Prisma, Sequelize, Socket.IO
- **Frontend:** React.js, TailwindCSS, HTML, EJS
- **Database:** MongoDB, PostgreSQL, MySQL
- **Tools & DevOps:** Git, GitHub, Docker, Postman, Cloudinary

## EXPERIENCE

- **Charusat University** Remote  
*Backend Developer Intern* May 2025 – July 2025
  - Project Allocation: Enabled admins to allocate/unallocate student projects and assign mentors.
  - Dynamic ID Handling: Implemented student ID generation based on department, semester, and degree.
  - Smart Search: Built smart search that auto-selected complete student teams by ID.
  - Request Rejection Flow: Added comment support and testing framework for request rejection use cases.

## PROJECTS

- **ZapLink**  *Tech Stack: Node.js, Express.js, React.js, PostgreSQL, Cloudinary*
  - Designed a modern file-sharing platform supporting images, PDFs, videos, ZIPs, and more.
  - Implemented QR code generation with customizable styles (colors, corners, logos).
  - Integrated password protection, expiry time, download limits, and self-destruct features.
  - Enabled real-time QR preview, multi-format download (PNG, JPG, SVG), and drag-and-drop upload.
  - Used PostgreSQL, Cloudinary, and AES encryption for secure and scalable backend.
- **CodePie**  *Tech Stack: PostgreSQL, Express.js, React.js, Node.js, Judge0, Docker*
  - Developed a secure online coding platform for conducting DSA contests with up to 170 concurrent student evaluations.
  - Enabled features like contest scheduling, automatic judge-based evaluation (Judge0), and student participation tracking.
  - Integrated Docker for isolated code execution and anti-cheating measures like session monitoring.
  - Used by faculty for practical assessments, ensuring fairness and code integrity.
- **CareXpert**  *Tech Stack: React.js, Node.js, Express.js, PostgreSQL, Python (FastAPI), ML, Socket.io, TailwindCSS*
  - Developed AI-driven symptom checker using a trained ML model (FastAPI backend).
  - Built real-time chat between patients and doctors using Socket.io.
  - Implemented doctor dashboard to view patient history, write prescriptions, and manage bookings.
  - Added patient medical history, live tracking, and JWT-based authentication.
- **QuiziFY**  *Tech Stack: MongoDB, Express.js, Node.js, EJS, TailwindCSS*
  - Engineered a robust full-stack quiz platform with admin panel and RBAC.
  - Added AI-powered quiz generation via Gemini API.
  - Integrated real-time timer, scoring logic, and performance analytics.
  - Secured routes using JWT and hosted on scalable cloud infrastructure.

## EDUCATION

- **Charotar University of Science and Technology** Anand, Gujarat, India  
*Bachelor of Technology - Computer Engineering; CGPA: 9.11* 2023 – 2027  
*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Machine Learning, Cloud, Networking, Databases*

## CERTIFICATIONS & PARTICIPATIONS

- Odoox Amalthea – IIT Gandhinagar (1st Runners Up)
- Odoox NMIT Bangalore Hackathon (Top 7 Finalists)
- Smart India Hackathon
- NPTEL – Data Structures & Algorithms Certification