

# Nikhil Guleria

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## EDUCATION

### Chitkara University

Rajpura, Punjab, India

*Bachelor of Engineering in Computer Science and Engineering; CGPA: 7.91/10*

*Oct. 2022 – June 2026*

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Software Design Patterns, Database Systems, Artificial Intelligence & Machine Learning, Full-Stack Web Development

## EXPERIENCE

### Software Engineering Intern

May 2026 – Present

*Duke Infosys*

*Remote*

- Architected and shipped the frontend, backend, and database layers of a Punjab Real Estate Regulatory Authority (RERA) portal, digitizing **10,000+** regulatory documents and cutting manual document-processing time by an estimated **60%**
- Automated document ingestion and validation pipelines via REST API integrations, reducing turnaround time on compliance filings by **35%**
- Built and shipped core features on a full-stack Job Hunting Portal using React, Node.js (Express), and MongoDB, supporting **500+** active job listings and **1,000+** registered users
- Collaborated in an Agile team of **6** engineers, participating in code reviews and sprint planning to ship production features on a bi-weekly release cadence

## PROJECTS

**jobswaale** | *React, Node.js, Express, MongoDB, Socket.IO, JWT, REST API* | [Live](#) | [GitHub](#)

2022 – Present

- Architected a full-stack job marketplace with dual jobseeker/employer portals using React 19, Vite, and Tailwind CSS on the frontend and Node.js/Express 5 with MongoDB/Mongoose on the backend
- Designed a **31-model** MongoDB schema powering **182** REST API endpoints across **28** route modules, covering job postings, applications, dashboards, resume uploads, and a 4-level geographic hierarchy (country → state → city → district)
- Built **122** reusable React components (**47,000+** lines of frontend code) including real-time messaging and notifications via Socket.IO and dual-role authentication (JWT + Google OAuth)
- Implemented a role-based admin panel with audit logging, subscription/plan management, payment tracking, and scheduled cron jobs for automated employer mailers

**Altus Rera** | *Node.js, Express, MongoDB, React, REST API* | [Live](#) | [GitHub](#)

2023

- Built a RERA-compliance real-estate data platform around a generic Project → Category → Record schema in MongoDB, enabling new project and promoter types to be onboarded through data entry alone, with **zero** backend code changes
- Developed a **24-endpoint** REST API with Express, Helmet, CORS, and Morgan for security and observability, plus a bulk-seed pipeline for promoter and project compliance records
- Built the React 18 + Tailwind + React Router frontend (**6,700+** lines) including a client-side PDF export feature (jsPDF) for compliance reports

**FreeCRM** | *TypeScript, React, Hono, MongoDB, Docker, Monorepo* | [Live](#) | [GitHub](#)

2025 – Present

- Building a multi-tenant CRM platform as a TypeScript monorepo (pnpm workspaces, **46,000+** lines of code) with a React frontend and a Hono API server backed by MongoDB
- Architecting **30** feature modules spanning leads, contacts, deals, pipelines, automation, reporting, and audit logging, with session-based authentication and role-based access control (RBAC)
- Containerizing the service with Docker and configuring deployment pipelines for Render, including a background worker process for async jobs

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, Java, C/C++, Rust, Go, SQL

**Frameworks & Libraries:** React, Next.js, Node.js (Express), Astro, FastAPI, Flask, Tailwind CSS

**Databases & Infrastructure:** MongoDB, PostgreSQL, Redis, Supabase, Docker, AWS, Linux

**AI/ML:** PyTorch, scikit-learn, Retrieval-Augmented Generation (RAG), LLM Agents, Computer Vision

**Tools & Practices:** Git/GitHub, REST APIs, WebRTC, CI/CD, Agile, Code Review