Rohit Kumar

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TECHNICAL SKILLS

Backend: Node.js, Express, TypeScript, REST APIs, JWT Auth, Middleware.
Database: MongoDB, Mongoose, MongoDB Atlas, MySQL
Frontend: React, Next.js, Tailwind (basic)
Tools: Docker, Git, Vercel, Postman, CI/CD (basic))
Concepts: API design, DB schema design, error handling, performance optimization

EXPERIENCE

Backend / Data Engineering Intern   Jun 2025 – Jul 2025
Labmentix

- Built internal REST APIs to deliver churn insights to client dashboard; optimized response time from 800ms → 250ms by restructuring query logic.
- Designed data-cleaning pipeline for 10k+ records using Python & FastAPI, improving input quality by 30%..
- Implemented authenticated microservices with structured error handling and logging.
- Containerized backend services using Docker for internal testing and deployment.

PROJECTS

Car Rental Service | *Node.js, Express, TypeScript, MongoDB*   Demo

- Designed 15+ REST endpoints for booking, pricing, authentication, payments, and admin operations.
- Implemented JWT-based auth, role-based access control, rate limiting, and request validation.
- Built MongoDB schemas for users, cars, and reservations; added indexing for 40% faster query performance.
- Integrated real-time price calculation and deployed using Vercel + MongoDB Atlas.

Data Alchemist — Data Validation Platform | *Typescript, MongoDb, RestAPI, JWT*   Demo

- Built backend engine for 10+ data validation rules for CSV/Excel uploads.
- Implemented rule engine where users define validation rules in natural language.
- Added file parsing pipeline, structured error reporting, and rate-limiting middleware.
- Deployed full stack (React + Express) using Vercel with environment-based configs.

AI Mock Interview | *Node.js, Express, OpenAI API, React*   Demo

- Designed backend service that generates real-time interview questions and evaluates answers using LLMs.
- Implemented structured conversation flow, scoring rubric engine, and secure API routes.
- Built frontend for interactive Q&A and deployed backend to cloud environment.

Personal Portfolio Website | *Typescript, React,*   Demo

- Built a fast, responsive personal portfolio; optimized for performance (90+ score on Lighthouse).
- Showcases backend projects, deployments, and GitHub work clearly.

EDUCATION

National Institute of Technology Durgapur   Durgapur, WB
Bachelor of Technology in Biotechnology   *Nov. 2022 – Jun 2026*

ACHIEVEMENTS

Scored 99.46 percentile in Naukri Campus Young Turks 2025 (Rank: 2475/10L+ participants).

CERTIFICATION

AWS – Solutions Architecture (Job Simulation)
Deloitte – Data Analytics (Job Simulation)