Rohan Powar V

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Skills

Frontend: HTML5, CSS3, Javascript(ES6+), React.js, Next.js, MUI, Bootstrap, TailwindCss, Redux

Databases & CS Concepts: PostgreSQL, Mongodb, MySQL, OOPs, DBMS, Linux

Backend: Java, Node.js, Python, Hapi.js, Express.js, Postman, JWT, Sequelize, RESTful APIs, Git, Github

Experience

IdeaForge Technologies February 2025 – July 2025

Software Developer - Intern *Bengaluru*

- Developed and maintained Flight Test Monitoring Software using **Next.js, Node.js (Hapi.js), PostgreSQL**.
- Designed database schemas and relationships for System and Sub-System modules with full **CRUD integration**.
- Implemented **JWT-based authentication** and authorization workflows for secure user access.
- Introduced History tracking and used **Sequelize transactions** to ensure atomic updates and auditability.
- Optimized backend queries and improved UI consistency using **MUI**, enhancing performance and usability.

Impact Analytics August 2025 – Febraury 2026

Software Developer - Intern *Bengaluru*

- Worked on a **multi-tenant Inventory Management System** serving enterprise clients.
- Contributed to **2 production releases** and participated in application V3 migration.
- Implemented **role-based access control (UAM)** and developed new UI components.
- Optimized PostgreSQL stored procedures and resolved critical production issues improving stability.
- Optimized backend API performance through query and database optimization, reducing processing time from **7 minutes to 30 seconds**.

Projects

CabZen Demo video

Tech stacks: React.js, Node.js, Hap.js, PostgreSQL, JWT, bcrypt, Socket.io

- Created a **full-stack geo location based** taxi booking platform that allows , driver, and user roles to have role-based access control.
- Developed and implemented the entire **PostgreSQL relational database schema**, including tables for drivers, passengers, taxis, reservations, and location data.
- Allowed users to reserve taxis in nearby areas by utilizing stored geo-coordinates and the **Haversine formula** to determine proximity.
- Used **bcrypt for password hashing** and **Joi** for input validation to ensure secure data flow.

Portfolio Chatbot Deployed Link

Tech stacks: React.js, Node.js, Gemini (LLM)

- Built a **text-based AI chatbot** integrated into my personal portfolio to answer questions based on my resume.
- Used **Gemini API (LLM)** to generate dynamic, resume-aware responses.
- Developed a secure backend using **Node.js** to handle user inputs and API interactions.
- Deployed and integrated the chatbot for real-time access through my portfolio website.

Education

BMS College Of Engineering Bengaluru

Computer Science, CGPA 8 *Feb 2023 – May 2025*

Sj Polytechnic Bengaluru

Mechanical Engineering, CGPA 9.4 *Sept 2019 – Nov 2022*

Achievements & Coursework

Winners in IoT Interhouse Competition at BMS College of Engineering for developing an innovative solution.
For more info vist my AI powered portfolio and github