

DHRUMIL TRADA

Backend Developer - Ahmedabad

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🌐 [dhruil-trada](https://dhruil-trada.github.io)

🔗 [DhrumilTrada](#)

📁 [Portfolio](#)

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, TypeScript, Python
- **Technologies/Frameworks/Libraries:** NestJs, HTML5, CSS3, React, MongoDB, Express, NodeJS, TailwindCSS, Django, Numpy, Pandas, Matplotlib, SKLearn, Git, Github
- **Databases:** PostgreSQL, MongoDB
- **Devops Technologies:** Docker, Gitlab CICD, Pipelines and Jobs

EDUCATION

LJIET, Lok Jagruti University, Ahmedabad

November 2022 – November 2026

B.E. - Computer engineering - CGPA - 9.5

Ahmedabad, Gujarat

Experience

Kiara TechX 🔗

December 2024 – Present

Backend Intern

Ahmedabad, India

- Optimized and maintained the backend of a **fitness tracking application** leveraging **NestJS**, **Redis** caching, and **Supabase**; achieved **p95 API latency <500ms**, sustained **DB CPU/Memory utilization <80%** during peak load, reduced **API error rate to <0.1%**, and ensured near-zero async queue backlog through proactive monitoring.
- Designed high-performance **MongoDB** schemas and optimized data models to accelerate querying; contributed to backend infrastructure for a **B2B SaaS** platform specializing in **website auditing**, **advanced crawling**, and **performance metrics analysis**.
- Enhanced build performance in a **Vue.js/Astro** and **Strapi**-based **open-source** project by implementing **local caching** and streamlining the development workflow.
- Implemented automated **CI/CD pipelines** with **GitLab** to enable continuous **testing** and **deployment**; partnered with cross-functional teams including **developers**, **designers**, and **project managers** to deliver user-focused, production-ready solutions.

PROJECTS

Job Portal Application 🔗 | MERN Stack, Redux Toolkit, Vite, ShadCNUi

2024

- Engineered a **full-stack job portal** with secure authentication, job posting, and application tracking.
- Developed a **responsive and interactive UI** using React, Redux Toolkit, and ShadCN UI maintaining seamless user experience.
- Architected and implemented a **scalable backend** in Node.js and Express, integrating MongoDB for persistent storage.
- Designed and optimized **user, company, job, and application schemas & APIs** for smooth frontend-backend communication.
- Enhanced usability with **file uploads (Multer)**, **role-based route protection**, and advanced search/filter logic.

DriveHex CarRentals 🔗 | React, Django, Djoser, SimpleJWT, REST API, PostgreSQL

2024

- Developed a **secure authentication system** with registration, login, password reset, and account activation flows.
- Configured **JWT-based authentication** with refresh token support for enhanced security and scalability.
- Built **RESTful APIs** using Django REST Framework for efficient frontend-backend integration.
- Delivered an **intuitive and dynamic car booking interface** in React, boosting user engagement.
- Integrated **PostgreSQL** for optimized relational data management and querying.

CODING PLATFORMS

- Solved **150+** Problems on **Leetcode**. 🔗
- **5 star** Python coder **HackerRank**. 🔗

CERTIFICATIONS

- Introduction to Java - LearnQuest
- Exploratory Data Analysis for Machine Learning - IBM
- HTML, CSS, and Javascript for Web Developers - Johns Hopkins University
- Database Design and Basic SQL in PostgreSQL - University of Michigan
- Inheritance and Data Structures in Java - University of Pennsylvania