

Dhyey Parekh

B.Tech – Mathematics and Computing

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EDUCATION

Dhirubhai Ambani University

B.Tech in Mathematics and Computing; CPI: 9.15

Gandhinagar, Gujarat

2023 – Present

Advait Vidyaniketan (GHSEB)

12th Standard; Percentage: 86.30%

Bharuch, Gujarat

2022 – 2023

EXPERIENCE

Member of Technical Staff Intern

DevRev

May 2026 – July 2026

Bengaluru, India

- Profiled and debugged **frontend performance bottlenecks** in DevRev's web application, reducing board-view load time by 25% through lazy loading and component rendering optimizations
- Upgraded Highcharts from v11 to v12 and implemented **component-level virtualization** for dashboard widgets, improving the scalability and responsiveness of data-intensive UI views

Software Engineering Intern

Fleetway

Oct 2025 – April 2026

Remote

- Owned the end-to-end engineering lifecycle of a logistics ERP, building UI workflows for document management, automated data extraction, and fuel purchase-order allocation
- Collaborated directly with customers from requirements and prototyping through demos and production implementation, helping the startup acquire its first 4 clients

Freelance Software Developer

Manish Pharma Lab – India

Jan 2025 – June 2025

Gandhinagar, Gujarat

- Owned end-to-end development of a BMR/ERP solution, translating pharmaceutical workflow requirements into a tailored full-stack system with a React-based UI, built from scratch to production deployment
- Led client interactions, requirement gathering, and feature implementation, delivering a solution that exceeded expectations

PROJECTS

Droply AI | *Next.js, Python, FastAPI, PostgreSQL, pgvector, Gemini, Groq, LangChain, LangGraph*



- Built a multi-tenant **document data platform** with a **Next.js** and FastAPI backend, implementing tenant-scoped access, async ingestion/indexing, and semantic search via Gemini embeddings and PostgreSQL/pgvector
- Engineered an **agentic Adaptive RAG** workflow in LangGraph with document-first retrieval, gap-driven **Tavily** web fallback, hybrid citations, and SSE streaming.
- Migrated routing and relevance grading from LLM JSON prompts to **Jev (Typesafe)** typed decisions (with Groq fallback), reflecting ongoing upgrades as newer models and tooling become available

Built my own Uber | *React.js, Node.js, Express, MongoDB, Socket.IO, Render*



- Built and deployed a production-ready **ride-booking platform** with **React.js**, implementing component-driven UI architecture, authentication, real-time map tracking, and captain-passenger matching
- Engineered **real-time ride workflows** using Socket.IO, integrating live state updates into the React frontend and optimizing backend APIs for low-latency communication, location updates, and event synchronization

TECHNICAL SKILLS

Languages: Python, C++, TypeScript, JavaScript, SQL

Software Engineering: Node.js, Express.js, REST APIs, Web Sockets, React.js, Next.js, JavaScript (ES6+), TypeScript, HTML, CSS, Tailwind CSS

Databases: PostgreSQL, MongoDB, pgvector, Neon, QdrantDB

AI & Data: Agentic AI, LLMs, RAG, LangChain, LangGraph, Vector Search, Data Processing

Engineering Tools: Git, Docker, Pytest, CI/CD, Vercel, Render

Core CS: Data Structures & Algorithms, OOP, Operating Systems, DBMS

ACHIEVEMENTS

Launched two production-ready products, **ClaudeCast** and **Mystt**, from ideation to deployment; secured **3rd prize** (\$900) at the DevRev Computer Hackathon; ranked in the **top 10 among 350+** students academically; solved **900+ problems** on LeetCode (max rating 1900+)