

# Dhairya Pandya

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## Education

Gujarat Technological University, Vadodara Institute of Engineering

2021-2025

Bachelor of Technology, Computer Science and Engineering

CGPA: 8.27/10

## Experience

Software Development Intern

Jan 2025 - Present

Uncanny Consulting Services

Vadodara, In

- Developed and deployed **RESTful APIs** using **Typescript** and **Node** to enable efficient data access and reliable **CRUD operations** across relational and non-relational applications.
- Enhanced frontend performance** by implementing improvements guided by Lighthouse audits, consistently achieving a score of **90+** in **performance** and **key efficiency metrics**.
- Implemented **Static Site Generation** workflows for **low-frequency** content updates, enabling rapid load times and seamless delivery of responsive pages with optimized media rendering.
- Optimized database performance using **MongoDB's aggregation pipeline**, designing multi-stage pipelines for efficient **data grouping** and **filtering**, and reducing average query response time by **200ms**.

## Projects

**Redis Checkbox** | Typescript, Node, Redis

- Multi User Checkbox:** Engineered a multi-user **collaborative checkbox** web app with **real-time syncing** using Redis Pub/Sub.
- Implemented **dynamic backend scaling** where **new server instances** inherit ongoing session state via Redis.
- This gave seamless user **onboarding mid-session** by broadcasting **shared checkbox state** across servers.

**Leet Lab** | React, Node, Judge0, Prisma

- Designed and developed a custom **code-solving platform** using **Judge0 API**, enabling real-time execution of **multi-language code submissions** for an interactive learning experience.
- Implemented **individualized code execution** workflows with **multi-test case support**, enhancing problem-solving flexibility and user-specific evaluation.

**Droply** | Typescript, Nextjs, ImageKit, Clerk, Drizzle

- Built a **Dropbox-style** file upload system with **file-type validation**, leveraging ImageKit for secure storage, real-time optimization, and efficient **image processing**.
- Integrated **custom Clerk** authentication to deliver a seamless user experience while maintaining consistent **branding** and uninterrupted session flows.

## Technical Skills

**Programming Languages:** JavaScript, TypeScript, Go

**Database:** MongoDB, PostgreSQL

**Frameworks & Libraries:** React, Node.js, Zod, Express.js, Redis

**Core Concepts:** System Design, Object-Oriented Programming (OOP), Computer Networks

**Tools and Technologies:** Git, GitHub Actions, OAuth 2.0, Clerk, Caddy, ImageKit