

Dhyey Parekh

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Education

Dhirubhai Ambani University, Gandhinagar

Bachelor of Technology in Mathematics And Computing

Aug 2023 – April 2027

CGPA - 9.45

Projects

• Full Stack Uber Clone

- Designed and developed a full-stack cab booking platform using **React** and **Node.js**.
- Implemented real-time communication between captains and customers using **Socket.IO**.
- Utilized **Leaflet** with OpenStreetMap API for precise route navigation for captains.
- Integrated the **OLA Krutim Places API** for fetching nearby locations dynamically.
- Developed a custom pricing function calculating fare based on **time and distance**.

• Web-Based IDE with Linux Terminal

- Created a **web-based IDE** with a fully integrated Linux terminal, allowing users to install software using **Docker**.
- Implemented a **tree-like file explorer** using **advanced Data Structures and Algorithms (DSA)** for seamless file navigation.
- Provided support for **four major programming languages**, enabling instant coding in a browser.
- Empowered developers with **full terminal access** through Dockerization, allowing package installation.

Experience

Freelance Developer, Pharma Company

January 2025

- Developed a **Batch Manufacturing Records (BMR) Management Portal** for pharmaceutical workflows.
- Designed a multi-user system with role-based authentication for Admin, Manager, and Operator.
- Ensured real-time data updates and secure database management with **MongoDB**.
- Tech stack: **React.js, Node.js, MongoDB**.

Mentor, Winter of Code (WOC) – Microsoft Student Technical Club

January 2025

- Guided participants in **Flutter Development** and built an **OTT App (BINGR)** from scratch.
- Taught state management, API integration, and UI/UX best practices.

Achievements

Microsoft Student Technical Club Selection

September 2024

- Selected among **top 5%** applicants for MSTC.
- Recognized for outstanding development skills and technical problem-solving abilities.

Solved 500+ DSA Problems on Leetcode

Within 9 months

- Demonstrated strong algorithmic thinking and problem-solving expertise.
- Consistently improved coding proficiency through competitive programming.

Skills

Programming Languages: Python, Java, C++, JavaScript, Dart

Web Development: React.js, Next.js, Node.js, Express.js, Tailwind CSS

Databases: PostgreSQL, MongoDB

App Development: Flutter

Tools: Docker, Git, REST APIs

Notable Github Projects

Todo App

- A sleek task management tool with CRUD functionalities.

E-Shopify (Fullstack E-Commerce App)

- Built a full-stack e-commerce platform with **secure payment integration**.

One-to-One Video Calling App

- Created a real-time video calling app using **WebRTC**.

Automatic Email Sender

- Built an email automation tool using **SMTP integration**.

Chat App using Sockets (Flutter)

- Implemented real-time messaging with WebSockets.

Hand Cricket Game (Computer Vision)

- Developed a game recognizing finger movements using **OpenCV and MediaPipe**.

Automatic Leetcode Problem Solver

- Created a bot that automates solving Leetcode problems.

Pokémon Detector

- Implemented an AI-based Pokémon recognition system.