

# Tejas Detroja

+91 9428222583 | tejas.dch22@sot.pdpu.ac.in |  [tejas-detroja](#) |  [tejasdetroja15](#)

## EDUCATION

---

**Pandit Deendayal Energy University**

*Bachelor of Technology in Computer Science; CGPA: 8.02*

Gandhinagar, India

*Oct. 2022 – Present*

## EXPERIENCE

---

**BillSwift - MERN Application Developer**

Jan 2024 – Present

*Pandit Deendayal Energy University*

*Gandhinagar, India*

- Developed a full-stack MERN application for small vendors to manage billing and inventory with real-time updates
- This project is being developed under the guidance of Dr. Hiren Thakkar, PDEU faculty, driven by personal interest
- Built secure RESTful APIs with Node.js and Express.js; implemented JWT authentication for protected routes
- Integrated WhatsApp API to send invoices directly to users for improved customer communication

## PROJECTS

---

**Sudarshan** | *React.js, Node.js, Express.js, MongoDB, Python, Blockchain, IPFS*

- Built a secure Aadhaar verification system integrating OCR with Python and blockchain to ensure data integrity
- Used template matching and Verhoeff algorithm for detail validation, preventing manipulation of Aadhaar data
- Developed a React.js admin portal to facilitate real-time Aadhaar cross-verification with IPFS-stored images
- Implemented IPFS for decentralized image storage and FastAPI for modular blockchain logic integration
- Shortlisted for the Smart India Hackathon 2024 internal round

**Expense Tracker - Full Stack Financial Management Application** | *React.js, Node.js, Express.js, MongoDB, Passport.js*

- Developed a full-stack financial management platform with real-time income and expense tracking using the MERN stack.
- Built RESTful APIs for transaction management and analytics dashboard with secure user authentication via Passport.js and session handling.
- Implemented Context API for global state management and Chart.js for dynamic data visualizations of spending trends.
- Designed a file upload system using Multer for storing receipts and transaction-related documents.
- Created responsive UI components with CSS Modules and implemented real-time financial updates on the dashboard.
- Integrated MongoDB with Mongoose ODM for scalable data storage and efficient querying.

**Uber Clone** | *React Native, Firebase, Google Maps API*

- Developed a user-friendly mobile interface using React Native, ensuring cross-platform compatibility
- Implemented real-time location tracking and ride requests using Socket.IO and Google Maps API
- Designed and managed a MongoDB database schema for efficient storage of user and ride data
- Integrated secure user authentication and authorization mechanisms in the backend
- Deployed the application on cloud platforms, ensuring scalability and reliability

**Medirx** | *React.js, Node.js, Express.js, MongoDB*

- Developed a full-stack web application for medicine management and information lookup.
- Designed and implemented RESTful APIs with Express.js to manage medicine records in MongoDB.
- Built a responsive React.js frontend to display medicine lists and allow CRUD operations.
- Implemented seamless communication between frontend and backend using JSON and asynchronous fetch calls.

## TECHNICAL SKILLS

---

**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS

**Frameworks:** React, Node.js, Express.js, FastAPI

**Developer Tools:** Postman, Git, VS Code, PyCharm, IntelliJ, Vercel, Railway

**Deployment:** Vercel (Frontend), Railway (Backend/API)