Tejas Detroja

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EDUCATION

Pandit Deendayal Energy University   Gandhinagar, India
Bachelor of Technology in Computer Science; **CGPA: 8.22**   *Oct. 2022 – Present*

EXPERIENCE

The Special Character - Software Developer Intern   May 2025 – July 2025
Ahmedabad, India
- Conceptualized and built **SportsWalla**, a comprehensive box cricket booking platform serving 500+ users
- Engineered full-stack functionalities using **Next.js**, **Medusa**, **Payload CMS**, and **Razorpay** integration
- Developed admin dashboards, secure payment flows, and scalable backend infrastructure with 99.9% uptime

PROJECTS

ReadyGo - Ride Sharing Platform | *React Native, Firebase, Maps API* | 🌐 **Live**
- Developed a cross-platform mobile ride-sharing application using React Native with real-time GPS tracking
- Implemented real-time location tracking and ride matching using Socket.IO and Maps API integration
- Designed and optimized MongoDB database schema for efficient storage of user profiles and ride history
- Built secure authentication system with JWT tokens and implemented role-based access control

Expense Tracker - Personal Finance Manager | *MERN Stack, Chart.js* | 🌐 **Live**
- Built a comprehensive financial management platform with real-time expense tracking and budget analysis
- Developed RESTful APIs using Node.js and Express.js with secure authentication via Passport.js
- Implemented dynamic data visualizations using Chart.js for spending trends and financial insights
- Created responsive UI with React.js and Context API for seamless state management across components
- Integrated file upload system using Multer for receipt storage and transaction documentation
- Optimized database queries with MongoDB aggregation pipelines for faster analytics processing

Sudarshan - Aadhaar Verification System | *Blockchain, Python, IPFS*
- Engineered a secure Aadhaar verification system using OCR technology with Python and blockchain integration
- Implemented template matching algorithms and Verhoeff validation to prevent document manipulation
- Developed React.js admin portal for real-time cross-verification with IPFS-based decentralized storage
- Built FastAPI microservices for modular blockchain logic and seamless system integration
- Achieved 95% accuracy in document verification with sub-second processing time

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C/C++, SQL (PostgreSQL), HTML/CSS, TypeScript
Frontend: React.js, React Native, Next.js, HTML5, CSS3, Tailwind CSS, Chart.js
Backend: Node.js, Express.js, FastAPI, Firebase, Socket.IO, RESTful APIs
Databases: MongoDB, PostgreSQL, Firebase Firestore
Tools & DevOps: Git, Postman, VS Code, Docker, GitHub Actions, Vercel, Render
Other Technologies: Blockchain, IPFS, Google Maps API, Razorpay, JWT Authentication

RELEVANT COURSEWORK

Data Structures and Algorithms
Operating Systems
Computer Networks (TCP/IP)
Object-Oriented Programming
Machine Learning
Database Management Systems
Software Engineering