

CHIRAG RATHOD

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PERSONAL PROJECTS

❖ APC Mandal Web PWA [Github] [Live]

MERN Stack, JWT, Redux, Cloudinary, Push Notifications

- Engineered a **full-stack progressive web app (PWA)** from scratch to **digitize attendance, manage student profiles, and streamline parent-volunteer interactions**, replacing legacy manual workflows.
- **Architected secure, scalable REST APIs** with **Express, MongoDB** aggregate pipelines, and **JWT-based authentication**, incorporating role-based access control with modular middleware.
- Implemented **Rich Text Editor (RTE)**-based post sharing and interactions, **push notifications**, and dynamic dashboards using **Redux, React Hook Form, CKEditor**, and **Cloudinary**.
- Deployed on **Vercel** with environment configuration and real-time error logging, ensuring seamless **cross-device usability** for **40+ active users**.

❖ MoneyMonk – Personal Expense Tracker [Github] [Live]

React, Appwrite, Redux Toolkit, Chart.js, Tailwind CSS

- **Built a full-featured expense tracking web app** leveraging **Appwrite** for **authentication, database, and cloud functions**, enabling users to track and analyze their expenses.
- Integrated **Chart.js** with **React** to deliver **dynamic visual reports** (daily, category-wise, and trend-based spending insights), enhancing the app's data-driven approach.
- Designed **modular** state management with **Redux Toolkit**, and optimized user interactions using **React Hook Form** and **Tailwind CSS** for a clean, responsive UI.
- Deployed on **Vercel**, offering a cross-device, highly interactive, and intuitive experience with **framer-motion** animations for a smooth UI.

❖ Youtube Backend [Github]

Node.js, Express, MongoDB, Multer, JSON Web Tokens

- **Designed scalable RESTful APIs** with efficient database operations using **aggregate pipelines**.
- Secured endpoints with **JWT authentication** and role-based access control.
- Optimized **file uploads** and media handling using **Multer** and **Cloudinary**.
- Showcased expertise in **backend architecture** and **performance optimization**.

EXPERIENCES

❖ Full Stack Web Development Intern | DialogFlows AI (Anand, Gujarat)

(June 2024)

- Developed web and mobile apps using **ReactJS, ExpressJS, and NodeJS**, improving skills in full-stack and cross-platform development.
- Learned to manage code with **Git and GitHub**, and designed databases with **MongoDB**, improving my version control, collaboration, and **NoSQL database knowledge**.

EDUCATION

❖ Computer Engineering | BVM, Vallabh Vidyanagar, Gujarat

CGPA:8.9/(June 2022-present)

❖ XII | BAPS SVM, Anand

Percentage: 89%

TECHNICAL SKILLS

- Frontend Development: **React, HTML, CSS, Tailwind CSS, Bootstrap**
- Backend Development: **Node.js, Express, MongoDB, REST APIs**
- Databases: **MongoDB, MySQL**

ACHIEVEMENTS & CERTIFICATIONS

❖ WEBATHON'24 Winner

(April 2024)

- Ranked **1st** among **90** participants for building an advanced sports inventory management system.
- ❖ Solved **300+ problems** on **Leetcode**, with a **total of 500+ problems** solved across multiple platforms.
- ❖ **CodeChef 2-Star Coder** - Achieved **2-Star** rating for competitive programming proficiency.