

Manasa Rayi

Full Stack Developer

Dynamic Full Stack Developer with experience in developing and enhancing web applications using React.js, Node.js, and MongoDB. Adept at implementing complex backend logic and crafting seamless user interfaces, with a strong focus on performance and scalability.

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WORK EXPERIENCE

Full Stack Developer

07/2024 - Present

Tektree Software Solutions Pvt Ltd

Project-I (ATS)

- **Stack:** React, Redux-Saga, MUI, Node.js, Express, MongoDB, AWS S3, Bcrypt, OAuth, GPT, Git
- Led the integration of **15+ major job boards including Monster, CareerBuilder, Outlook, Gmail API, and Zoom Phone 2.0** to enable seamless job postings and communication workflows.
- Played a key role in **OAuth, tokenization, and multi-factor authentication (MFA)** implementation to enhance security across the platform.
- Spearheaded the **system redesign and backend restructuring**, optimizing performance by **reducing 60+ backend API routes** through effective system design principles.
- Integrated **GPT-powered resume parsing**, improving recruiter productivity and **automation** in candidate profiling.

Project-ii (BILLCHAMP POS)

- **Stack:** React, Redux-Saga, Tailwind CSS, Node.js, Express, MongoDB, OAuth2.0, GPT,
- **Integrated** third-party APIs like **Zomato, Swiggy** and **WEBA API** for online order management, enabling seamless data exchange and streamlining restaurant operations.
- **Implemented** user **registration** functionality for secure and efficient account creation and management.
- **Enhanced** the POS system to support real-time order processing and facilitate smoother interactions between customers, kitchen staff, and restaurant owners.
- **Optimized** API integrations to reduce latency and ensure reliable performance across online ordering platforms.

Project-III (KultWorks— Workforce Management Solution)

- **Stack:** React, Vite, Redux-Saga, Node.js, Express, MongoDB, Tailwind CSS, Postman, Socket.io
- Worked on creating clean, **reusable UI components** and layouts for the frontend, ensuring better maintainability and consistency across the product.
- Engaged regularly with backend and integration teams to **align logic, structure**, and deployment practices.

EDUCATION

Bachelor of Technology Jawaharlal Nehru Technological University Hyderabad.

07/2019-- 02/2023

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SKILLS

Node.js

React.js

JavaScript

MUI

Html

CSS

Redux

Redux-Saga

Tailwind CSS

MongoDb

Sql

Express.js

PERSONAL PROJECTS

Secure User Authentication System:

- This project is a comprehensive user authentication system designed to prioritize security and user Experience.
- Implemented a secure **user registration** and login process using **JWT-based authentication**.
- Integrated **buffer time** during login to safeguard against unauthorized attempts.
- Added robust measures like encryption to secure user data.
- Developed a **password recovery system** that allows users to securely reset their credentials via email and OTP verification.
- After successful login, users can manage their account with full **CRUD functionality**, including updating personal details.
- Built using **React** (frontend), **Node.js** and Express.js (backend), and **MongoDB** (database).
- Designed with scalable architecture and deployed on Render.com for seamless accessibility.
- Every feature, from registration to CRUD operations, has been developed with an emphasis on efficiency, scalability, and security.

HostelHub – Personal Hostel Management Platform:

- **Stack:** Vite, Redux-Saga, Node.js, Express, MongoDB, OAuth, tailwind
- Independently developed a full-stack hostel management system that streamlines payments, complaints, communication, and meal planning for hostel residents and administrators.
- Implemented role-based login and dashboard access, allowing different user types (Admin, Warden, Student) to access personalized dashboards and features relevant to their roles.
- Integrated OAuth 2.0 for secure authentication and smooth user onboarding.
- Built a payment gateway module (Razorpay) to enable online fee payments including rent, mess charges, and custom hostel services.
- Designed a complaint management system with ticket tracking, resolution status updates, and admin-level control over issue handling.
- Developed a real-time chat system using Socket.io, enabling direct messaging between students and hostel management.
- Added a review & feedback system where users can rate services and share suggestions anonymously.