

Pratik Gawari

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EDUCATION

Indian Institute of Technology Madras, Tamil Nadu

Dual Degree (B.Tech + M.Tech) Engineering Design ; CGPA: 6.96

July. 2018 – May. 2023

WORK EXPERIENCE

InuAid

Chennai, India

Technical Analyst Intern

Dec 2021 – May 2022

- Developed a comprehensive React Native component library with over 20+ components to standardize app development and enhance development speed. **Technologies:** React Native, Storybook, Figma, Visual Studio Code.
- Successfully migrated an existing application from React JavaScript to React Native TypeScript, enhancing performance and code maintainability.
- Used React Native Storybook to develop, test, and showcase UI components in isolation.
- Developed a robust Timesheet Application for efficient tracking of project/task time allocation. **Technologies:** ReactJs, Figma, Visual Studio Code.
- Played a key role in the development of a chat application, focusing on implementing and styling components to match the design provided by stakeholders in Figma. This ensured a seamless and visually appealing user experience.
- Explored an efficient method for user authorization, focusing on reducing server load and enhancing security through JWT (JSON Web Token) Authentication. **Technologies:** ExpressJs, JWT, ReactJs, NodeJs, Postman
- Implemented a program to modify data tables in AWS DynamoDB database through React application.

PERSONAL PROJECTS

Chat Application [\(link\)](#)

- Creating a web-based WhatsApp clone using React for the frontend. Building responsive and intuitive user interfaces to replicate the WhatsApp experience seamlessly across devices.
- Implementing authentication and user management features to ensure secure access. Leveraging backend technologies such as Node.js and Express for server-side logic and data handling.
- Integrating real-time messaging functionalities using technologies like WebSockets or Firebase for instant communication. Utilizing React Router for efficient navigation between different sections of the application.
- Employing MongoDB or another database solution for storing user data and chat history. Conducting thorough testing to ensure reliability and performance.
- Continuously iterating and improving the clone based on user feedback and emerging technologies.

React Landing Pages Designs [\(link\)](#)

- Continuously developing an ongoing project featuring a collection of landing page templates and designs built using React and Tailwind CSS, ensuring responsiveness across various devices.
- Crafting visually appealing and user-friendly interfaces that showcase the versatility of Tailwind CSS for rapid prototyping and styling.
- Implementing best practices in React development to create reusable components and maintainable codebase. Employing responsive design principles to ensure seamless user experiences on desktop and mobile devices.
- Regularly updating and expanding the project with new templates and features to meet evolving design trends and user needs.

SaaS Dashboard [\(link\)](#)

- Crafting a SaaS dashboard and its components using React with Tailwind CSS.
- Leveraging the flexibility and utility-first approach of Tailwind CSS to rapidly design and style dashboard elements. Implementing responsive layouts and components to ensure seamless user experiences across devices.
- Integrating data visualization libraries and interactive elements to enhance the dashboard's functionality and user engagement.
- Employing best practices in UI/UX design to deliver an intuitive and visually appealing dashboard interface.
- This ongoing project focuses on delivering a robust and user-friendly SaaS dashboard solution while showcasing expertise in React development and Tailwind CSS styling.

MERN Stack Todos Application [\(link\)](#)

- Designed and developed a MERN stack web application for task management, utilizing MongoDB, Express.js, React, and Node.js.
- Developed server-side logic using Node.js and Express.js to handle API requests and interact with the MongoDB database.
- Employed Git for version control, allowing for collaborative development and efficient tracking of code changes.

Movie Tracker [\(link\)](#)

- Developed a movie search application using React, fetching data from the OMDb API. The application allows users to search for movies by title and displays the results dynamically.
- Utilized `useState` and `useEffect` hooks for managing state and performing asynchronous operations respectively. Implemented a search bar where users can input movie titles, triggering a search request upon submission.
- Incorporated the React Icons library for the search icon button. Rendered movie cards for each search result, showcasing movie details such as title, year, and poster.
- Ensured responsive design using CSS for a seamless user experience across devices.

Weather Widget [\(link\)](#)

- Built a weather widget application using React that retrieves weather data from the OpenWeatherMap API.
- Utilized `useState` and `useEffect` hooks to manage state and fetch data asynchronously.
- Implemented a `MainPage` component where users can view weather information and search for weather forecasts by location.
- Integrated error handling to notify users if the entered location is not found.
- Displayed default weather information for Delhi upon initial load.
- Enabled users to input their desired location, triggering a search request to fetch corresponding weather data.

Deploying Deep Learning Models

- Deployed deep learning models seamlessly using a tech stack comprising React, Express, and MongoDB.
- Crafted intuitive user interfaces with pixel-perfect precision using React.
- Leveraged Express for backend development, enabling deep integrations with native APIs and efficient communication with MongoDB for data storage.
- Diagnosed and resolved bugs and performance bottlenecks to deliver optimal performance.
- Maintained code integrity through rigorous testing practices and successfully transitioned existing projects to the deployed environment.

React Todos [\(link\)](#)

- Developed a simple React Todos application featuring state management with `useState` and `localStorage` integration for persistent data storage.
- Utilized `useState` hook to manage the todo list state, initializing it with data retrieved from `localStorage` or an empty array if no data exists. Implemented `useEffect` hook to automatically update `localStorage` whenever the todo list state changes, ensuring data persistence across page reloads.
- Leveraged `JSON.parse` and `JSON.stringify` functions to serialize and deserialize data between JavaScript objects and JSON strings, enabling seamless storage and retrieval of todo items. This approach enables users to maintain their todo list even after closing or refreshing the browser.
- Employed Git for version control, allowing for collaborative development and efficient tracking of code changes.

Component Library

- Built pixel-perfect, buttery smooth UIs for both mobile platforms using React Native. Leveraged native APIs for deep integrations.
- Diagnosed and fixed bugs and performance bottlenecks for a native-like performance.
- Maintained code quality and wrote automated tests. Transitioned existing React web apps to React Native. Work done during my last internship.

Form Builder [\(link\)](#)

- Developing a dynamic form builder application using React, allowing users to create customizable forms for various purposes.
- Leveraging React's powerful capabilities, I implemented features such as drag-and-drop functionality for easy form creation, real-time preview of forms, customizable form fields, and validation.
- Employed Git for version control, allowing for collaborative development and efficient tracking of code changes.

React Calculator [\(link\)](#)

- Developed a dynamic calculator application using ReactJS.
- Implemented advanced state management techniques such as `useState` and `useReducer`. These features optimized the application's responsiveness and user experience.
- The application allows users to perform basic arithmetic operations such as addition, subtraction, multiplication, and division. Implemented functionalities include adding digits to the current operation, clearing the display, deleting the last digit, and evaluating the expression.
- Utilized the `dispatch` function to manage the flow of actions, ensuring seamless interaction between components.
- Utilized Tailwind CSS for styling to ensure a modern and responsive user interface. This ongoing project focuses on delivering a user-friendly calculator experience while showcasing proficiency in React development and state management techniques.

Expense Tracker ([link](#))

- Developed an Expense Tracker application utilizing ReactJs and **React Bootstrap** components for enhanced UI/UX, optimizing user interaction and navigation within the application.
- Implemented a **modularized architecture**, utilizing components such as BudgetCard, AddBudgetModal, AddExpenseModal, ViewExpensesModal, UncategorizedBudgetCard, and TotalBudgetCard for structured code organization and reusability.
- Utilized the BudgetContext to effectively manage budgets and expenses, enhancing application functionality and data flow.
- Demonstrated proficiency in **grid-based layouts** for displaying budgets and expenses, providing an organized and visually appealing user interface, and implemented features for adding, viewing, and managing expenses, enhancing the overall user experience.

Carousel ([link](#))

- Constructed a dynamic image carousel application utilizing React components. The carousel allows users to navigate through a collection of images with next and previous buttons, facilitating a seamless viewing experience.
- Integrated **CSS modules** to maintain a clean and organized codebase, enhancing code readability and maintainability.
- Leveraged data from external sources to populate the carousel, allowing for easy customization and scalability.
- Collaborated with design assets and ensured seamless integration of images for a visually appealing UI.
- This project aims to provide an interactive and visually pleasing image browsing experience while demonstrating proficiency in React development and component-based architecture.

ADDITIONAL / SKILLS

Languages: Fluent in Hindi, Marathi, English.

Skills: Node.js, React.js, React Native, HTML, CSS, Tailwind CSS, C, Express.js, EJS, Flask, Python, MongoDB, PostgreSQL, Git, Version Control, Webpack, RESTful APIs

Other Tools: Visual Studio Code, Postman, Figma, Fusion360