

TAVATARI PRASAD

React Front-End Developer|GenAIChatbotUI|JavaScript|HTML5|CSS3 | UI/UX | REST APIs

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ABOUT ME

Front-End Developer around 2 years of experience in building responsive and interactive web applications using React JS, JavaScript, HTML5, and CSS3. Played a key role in developing a Generative AI-based Chatbot interface focused on real-time conversation and user-friendly design. Proficient in integrating REST APIs, developing reusable components, and implementing modern UI/UX principles. Passionate about creating intuitive, high-performance user interfaces that enhance user engagement and functionality.

WORK EXPERIENCE

REACT FRONT-END DEVELOPER

AIML LABS SOLUTIONS PVT LTD

(JAN 2024 – PRESENT)

- Developed reusable, modular React components for dynamic and responsive user interfaces.
- Built a Generative AI chatbot interface integrated with OpenAI API for real-time conversation.
- Implemented message threading, auto-scroll, typing animations, and error handling in chat UI.
- Integrated RESTful APIs using Axios and managed API states with React Hooks.
- Designed and styled responsive layouts using Flexbox, CSS Grid, Bootstrap, and Tailwind CSS.
- Converted Figma designs to pixel-perfect front-end interfaces with mobile-first responsiveness.
- Used React Context API for global state management across chatbot and dashboard components.
- Developed inventory dashboard with filters, modals, and data visualization components. Handled form validations and user input flows for product updates and restocking operations.
- Ensured cross-browser compatibility and optimized performance for modern web apps. Debugged and enhanced user interactions using Chrome DevTools and React DevTools. Followed Agile methodology with regular sprint reviews, Git version control, and code reviews.
- Collaborated with backend team to consume Go-based REST APIs and display JSON data.
- Maintained clean, well-documented codebase with version history on GitHub.

SKILLS

- **Frontend Technologies:** React JS, HTML5, CSS3, JavaScript (ES6+), Bootstrap, Tailwind CSS
- **React Concepts:** Functional Components, Hooks, Context API, React Router
- **API Integration:** REST APIs, Axios, JSON Parsing, Error Handling
- **Tools & Platforms:** Git, GitHub, Postman, VS Code, Chrome DevTools
- **Generative AI:** Integrated OpenAI GPT API for real-time chat responses
- **Design & Layout:** Responsive Web Design, Flexbox, CSS Grid, Figma to Code, Accessibility (a11y)
- **Debugging & Testing:** React DevTools, Console Debugging, Error Boundaries
- **Backend Communication:** Consuming APIs from Go (net/http) backend

PROJECTS

Project 1: GenAI Chatbot – Real-time AI Assistant Interface

Tech Stack: React JS, JavaScript (ES6+), CSS3, OpenAI GPT API, Axios, HTML5, Context API, React Hooks, Flexbox

Roles and Responsibilities:

- Developed a user-friendly and responsive front-end interface for an AI-powered chatbot using React JS.
- Created modular components such as ChatBox, InputBar, and MessageThread to manage user and AI conversations.
- Integrated OpenAI GPT API with Axios to send user prompts and fetch AI-generated responses in real time.
- Built dynamic chat features including typing animations, loading indicators, message alignment, and scroll-to-latest logic.
- Maintained conversation history using React State and Context API for consistent user experience.
- Designed the interface using CSS3 Flexbox with a mobile-first responsive layout and basic accessibility (a11y) considerations.
- Managed edge cases like network failures, empty inputs, and fallback messages using error boundaries. Enhanced UX with features like chat clearing, timestamps, and scroll anchoring on new messages.
- Ensured smooth performance across devices and browsers using best React practices and DevTools debugging.

Project 2: Retail Inventory & Sales Tracker Dashboard

Tech Stack: React.js, HTML5, CSS3, Bootstrap, Go (net/http), REST API, Axios, JavaScript, React Hooks, JSON

Roles and Responsibilities:

- Built a full-featured inventory and sales dashboard using React.js to support retail store operations.
- Designed and implemented a responsive UI with cards, tables, dropdowns, and modals for a modern user experience.
- Developed reusable components including InventoryTable, ProductDetailModal, and SalesSummaryCard.
- Consumed REST APIs built in Go using Axios to fetch real-time product data and sales trends.
- Enabled interactive functionalities such as product search, category-based filters, and sort by stock/sales.
- Implemented modals to display in-depth product details, restocking history, and sales patterns.
- Used client-side form validation to ensure proper data updates for restocking and inventory edits.
- Applied Bootstrap grid system and utility classes to ensure cross-browser compatibility and responsiveness.
- Managed application state using React Hooks (useState, useEffect) for UI reactivity and performance.
- Maintained project in GitHub with clear commits, issue tracking, and developer collaboration practices.

EDUCATION

- **Computer Engineering (Artificial Intelligence and Machine Learning)**

Presidency University

Bangalore (2024)