

S SANJAL

FRONTEND DEVELOPER

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Profile Summary

Skilled Frontend Developer with expertise in **JavaScript**, **React.js**, and **Tailwind CSS**, focused on creating responsive and user-centric web applications. Adept at building high-performance solutions with a strong foundation in **Java**, delivering seamless user experiences through clean, maintainable code and modern design practices.

Technical Skills

- **Programming Languages:** Java, JavaScript, C (Basics), YAML, Python (Basics).
- **Frontend:** React.js, Tailwind CSS, Redux, HTML, CSS
- **Tools:** Git, Jest, Github.
- **Expertise in:** Data Structures & Algorithm

Main Projects

NetflixGPT - Movie Browsing & AI-Powered Search Platform

[Source Code](#)

Developed NetflixGPT, a full-stack web application that leverages **React**, **Firebase**, and **Redux** to provide a seamless movie browsing and personalized recommendation experience.

- Integrated **TMDB API** for real-time movie data and **OpenAI API** for AI-driven movie recommendations.
- Implemented advanced authentication and state management with Redux, ensuring smooth data flow.
- Built custom hooks and optimized Redux slices for efficient API handling and state flow management.
- Designed a responsive UI with **TailwindCSS**, ensuring cross-device compatibility and optimal user experience.
- Deployed to production, addressing issues like authentication redirects, profile updates, and secure environment configurations.

Technologies Used: React.js, Redux, Firebase, TMDB API, OpenAI API, TailwindCSS, GitHub, Firebase Authentication, Fetch, React Router, React Testing Library.

Watchify - YouTube Clone

[Source Code](#)

Built Watchify, a high-performance video streaming platform that replicates core functionalities of YouTube, using **React** and integrating the **YouTube API** for video search.

- Implemented **debouncing** for video search functionality to enhance user experience and improve search performance.
- Managed state efficiently using **Redux** for seamless app performance and smooth interactions.
- Designed a responsive and interactive UI with **TailwindCSS**, ensuring a mobile-first approach and optimal user experience across all devices.

- Focused on performance optimization, including efficient API calls for video data and smooth streaming functionality.

Technologies Used: React.js, Redux, YouTube API, TailwindCSS, Fetch, GitHub, Jest.

Mini Projects

ShopEase - E-Commerce Website

[Source Code](#)

Developed ShopEase, an e-commerce platform allowing users to browse and purchase products seamlessly.

- Built with **JavaScript**, **HTML**, and **CSS**, focusing on intuitive design and responsive layouts.
- Designed the UI to support features like product listings, detailed product pages, and a dynamic shopping cart.
- Implemented custom JavaScript functions for interactive features, such as filtering products and adding/removing items from the cart.
- Ensured a smooth and engaging user experience across multiple devices.

Technologies Used: JavaScript, HTML, CSS, GitHub.

FeastHub - Swiggy Clone

[Source Code](#)

Created FeastHub, a Swiggy clone offering restaurant listings, food ordering, and delivery options.

- Built core components such as Header, Nav Items, RestaurantContainer, and RestaurantCard to display restaurant details, including images, names, cuisines, and ratings.
- Used **React.js** to build dynamic components and manage state effectively with Redux.
- Integrated **React Router** for smooth navigation and React Hooks to manage local states within components.
- Implemented a responsive UI using **TailwindCSS**, ensuring an optimal experience across mobile and desktop devices.
- Incorporated **Redux Toolkit** for global state management, enhancing the functionality of the cart and order features.

Technologies Used: React.js, Redux, TailwindCSS, React Router, GitHub, Jest.

Education

B Tech - Computer Science and Business Systems

Rajalakshmi Institute of Technology, Chennai, Tamil Nadu

2022 - 2026

CGPA: 8.97 (till 5th semester)

Experience

Web Developer Intern

InternPe, July - August 2024

Gained hands-on experience in building and deploying web applications using JavaScript and React, including optimizing UI components, enhancing state management with Redux, and improving app performance.