

SACHIN DESHPANDE

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EXPERIENCE

TCS (Tata Consultancy Services)

July 2022 – Present

Associate System Engineer

Nagpur, India

- Optimize Website Performance by implementing **code splitting, lazy loading, list virtualization, Image and Asset optimization** to significantly reduce load times from **40% to 30%**.
- Build a complete web page for a product category that utilizes **infinite scrolling** with list virtualization.
- Implementing multiple **custom hooks** to promote **single responsibility principle**, code maintainability, reusability and testability, etc.
- Collaborated with UX designers and backend developers to deliver a seamless user interface and maintain consistency across the website.
- Experienced in writing **unit test cases** using the **Jest library** to ensure code reliability, identify edge cases, and maintain high-quality standards throughout the development process.

Tech Stack and Tools: JavaScript, React, Redux, CSS, React-Router, Axios, Jest, Lighthouse, npm, Webpack, VS code, etc.

PROJECTS

MovieMax | [\(Code\)](#) | [\(Live\)](#) | JavaScript, React, Redux, Redux-toolkit, SCSS, TMDB API

- Developed a feature-rich movie application using React JS, JavaScript, and SCSS, integrating TMDB API for data retrieval.
- Implemented Axios for efficient API calls and utilized code splitting to optimize performance.
- Utilized state management libraries such as Redux for efficient data handling and centralized state management project.
- Enhanced user experience with advanced features such as genre-based and popularity-based sorting of movies and tv shows.

Gemini Clone | [\(Code\)](#) | [\(Live\)](#) | JavaScript, React, CSS, Gemini API

- Designed and developed a Gemini clone web application using React, JavaScript, and CSS.
- Implemented a user-friendly interface allowing users to add new chats and ask questions.
- Integrated the Gemini API to provide accurate and timely responses to user inquiries.
- Created a seamless chat experience with real-time updates and interactive features.
- Ensured a responsive design for optimal usability across various devices and screen sizes.

Excel Clone | [\(Code\)](#) | [\(Live\)](#) | HTML, CSS, JavaScript

- Proficiently utilized HTML, CSS, and JavaScript to create a responsive Excel clone.
- Implemented 100 rows and 26 columns for optimal data organization and input.
- Designed and integrated New, Open, and Save functionalities for user convenience.
- User support for multiple sheets to enhance data management efficiency.

TECHNICAL SKILLS & TOOLS

- | | | | |
|--------------|----------------|----------------|-----------|
| • HTML | • React | • Redux | • VS Code |
| • CSS | • SCSS | • Git & Github | • Jira |
| • JavaScript | • Tailwind CSS | • NPM | • WebPack |

CERTIFICATIONS

- | | |
|---------------------------|----------------|
| • ReactJS & Redux - Udemy | • JavaScript |
| • HTML & CSS | • Git & Github |

EDUCATION

Nagpur Institute of Technology

BE in Information Technology - CGPA - 8.2

2018 – 2022

Nagpur, India

Nanaji Joshi Jr College

12th Board - Percentage - 77.80%

2017 – 2018

Shahapur, India