**Introducing React30: Master React.js in 30 Days by building 20+ practical projects**

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Title image

**Introduction**

Welcome to React30, a journey where we will build 20+ React projects in 30 days and learn core React.js fundamentals along the way. This series is designed to cover a wide range of topics, ensuring you master the complete React.js ecosystem and it’s related modules. Each project focuses on specific aspects, including all major React hooks, user authentication in MERN stack, how to build full-stack applications, Instagram Stories UI in web app, handling API calls, creating chart visualizations, media handling and building a developer portfolio.

I have personally tried to include all concepts I have learnt in the past 8 years in this series for learners who are trying to become better in frontend development.

**Projects Overview**

1. **Student ID Card generator**



Project Image

In this project we walk through the process of creating an ID card generator using Vanilla JavaScript. This project serves as a great exercise to refresh and solidify our JavaScript fundamentals before diving into more complex libraries like React.

Article link: [Project 1](https://smhatre59.medium.com/react30-project-1-id-card-generator-58f615ed80af)

**2. Clicker App:**



Project image

In this project we will build a clicker app using React.js. This project will help us understand the basics of JSX rendering and introduce us to the useState hook, an essential feature in React.

Article link: [Project 2](https://smhatre59.medium.com/react-30-project-2-building-a-clicker-app-with-react-js-79831b1ae037)

**3. Digital Clock App:**



Project image

In this tutorial, we’ll create a simple digital clock app using React.js. This project will teach us how to utilize setInterval for real-time updates and introduce the useEffect hook to manage side effects in React applications.

Article link: [Project 3](https://smhatre59.medium.com/react-30-project-3-building-a-digital-clock-app-with-react-js-3b198962e92c)

4. **User Feed App:**



Project image

In this tutorial, we’ll create a user feed app using React.js. We’ll make an API request using Axios to fetch user data and display it as a scrollable feed on the page. This project will help us understand how to use the useEffect hook to make API calls in React applications.

Article link: [Project 4](https://smhatre59.medium.com/react-30-project-4-building-a-user-feed-app-with-react-js-d73c55e38448)

**5. Image Gallery App:**



Project image

In this tutorial, we’ll create an image gallery app using React.js. We’ll make an API request using Axios to fetch a list of images and display them as a scrollable gallery on the page. This project will help us understand how to use the useEffect hook to make API calls in React applications.

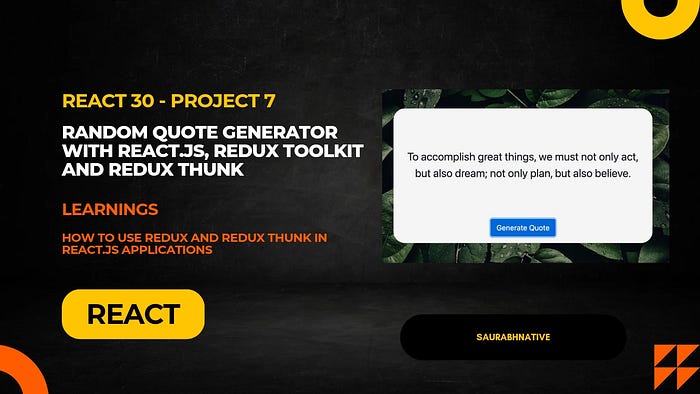
Article link: [Project 5](https://smhatre59.medium.com/react30-project5-building-an-image-gallery-app-with-react-js-2f1095043561)

**6. Quote Generation API**

In this tutorial, we’ll create a backend API for generating quotes using Express.js. We’ll start by using local JSON data, and later replace it with data from a MongoDB database.

Article link: [Project 6](https://smhatre59.medium.com/react30-project-6-building-a-quote-generation-api-with-express-js-8d2cff258742)

**7. Random Quote Generator with Redux Toolkit**



Project image

In this tutorial, we’ll create a random quote generator using React.js, Redux Toolkit, and Redux Thunk. We’ll also learn how to use the useEffect hook to make API calls.

Article link: [Project 7](https://smhatre59.medium.com/react30-project-7-building-a-random-quote-generator-with-react-js-redux-toolkit-and-redux-thunk-7d68a689433e)

**8. Navbar using React Router**



Project image

In this tutorial, we’ll create a navbar using React.js and React Router to navigate between different pages.

Article link: [Project 8](https://smhatre59.medium.com/react30-project-8-building-a-navbar-using-react-router-6910ab5a0268)

**9. User authentication using Express.js and MongoDB**



Project image

In this tutorial, we’ll create a backend APIs for implementing user login/registration process using Express.js and MongoDB. We will learn how session creation works and how to validate user data on backend.

Article link: [Project 9](https://smhatre59.medium.com/react30-project-9-building-backend-apis-for-user-authentication-using-express-js-and-mongodb-f28afd29cca6)

**10. User Authentication Forms in Frontend**



Project image

In this tutorial, we’ll create login and registration forms using React.js and React Router to handle user authentication in frontend.

Article link: [Project 10](https://smhatre59.medium.com/react-30-project-10-building-user-authentication-forms-using-react-js-and-react-router-1e3f2efa0c3a)

**11. Cryptocurrency listing app**



Project image

In this tutorial, we’ll create a Cryptocurrency listing app using React.js. We’ll learn how to use the render table from JSON array fetched from API call.

Article link: [Project 11](https://smhatre59.medium.com/react30-project-11-building-a-cryptocurrency-listing-app-bd21e8f09854)

**12. Instagram Stories feed**

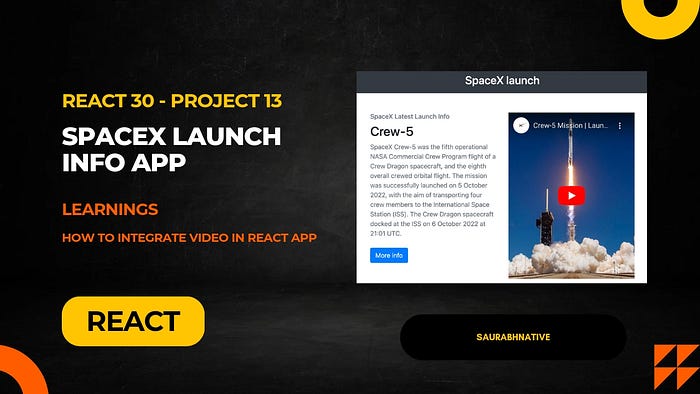


Project image

In this tutorial, we’ll create a Instagram Stories Feed using React.js. We’ll learn how to use the render categories grid and show stories with text to users.

Article link: [Project 12](https://smhatre59.medium.com/react30-part-12-building-instagram-stories-feed-using-react-js-1902463aa5a9)

**13. SpaceX Launch Info app**

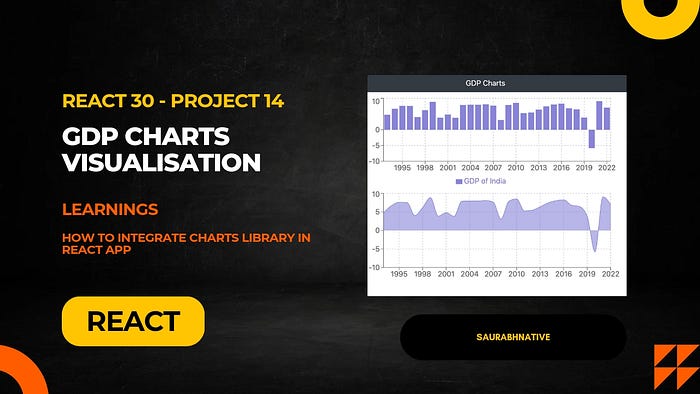


Project image

In this tutorial, we’ll build a SpaceX latest launch info app using React. The app will fetch data from the SpaceX API and display launch information along with a video player using the react-player npm package.

Article link: [Project 13](https://smhatre59.medium.com/react30-project-13-spacex-launch-info-app-3659392af5f6)

**14. Building charts visualisation**



Project image

In this tutorial, we’ll build a React app that fetches India’s GDP data from the World Bank API and visualizes it using bar and area charts. We’ll use the axios library for API requests and the recharts npm package for chart visualization.

Article link: [Project 14](https://smhatre59.medium.com/react30-project14-building-charts-visualisation-using-react-js-6bcb140bc6d5)

**15. Building developer portfolio**



Project image

In this tutorial, we’ll build an online developer portfolio using React.js. We’ll take the static site resume code from the Start Bootstrap repository and convert the static HTML code to JSX for rendering in React. This will allow us to leverage the benefits of React’s component-based architecture for creating a dynamic and interactive developer portfolio.

Article link: [Project 15](https://smhatre59.medium.com/react-30-project-15-building-developer-portfolio-using-react-js-03e59f45f177)

**16. Implementing Theme Switching**



Project image

In this tutorial, we’ll walk through the process of implementing theme switching (Dark theme/Light theme) in a basic web app using React and Bootstrap. We’ll use the useContext hook to manage the theme state, providing a seamless user experience with the ability to switch between different themes.

Article link:- [Project 16](https://smhatre59.medium.com/react30-project-16-implementing-theme-switching-in-a-react-web-app-9f59279ea5ed)

**17. React Query Implementation**

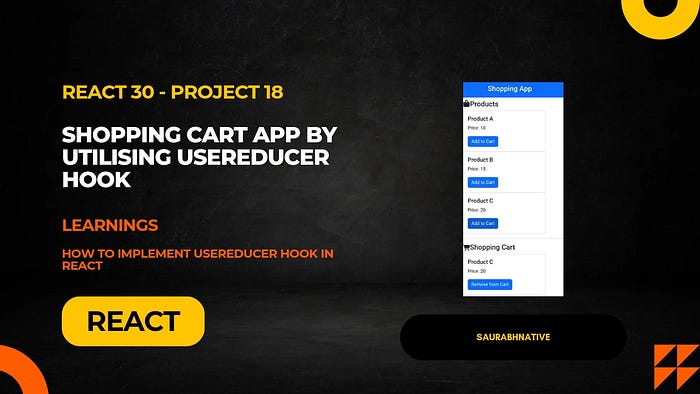


Project image

In this tutorial, we’ll explore how to integrate React Query into a basic web app.

Article link: [Project 17](https://smhatre59.medium.com/react30-project-17-implementing-react-query-in-a-web-app-c6931895ea0a)

**18. Shopping cart app by utilising useReducer hook**

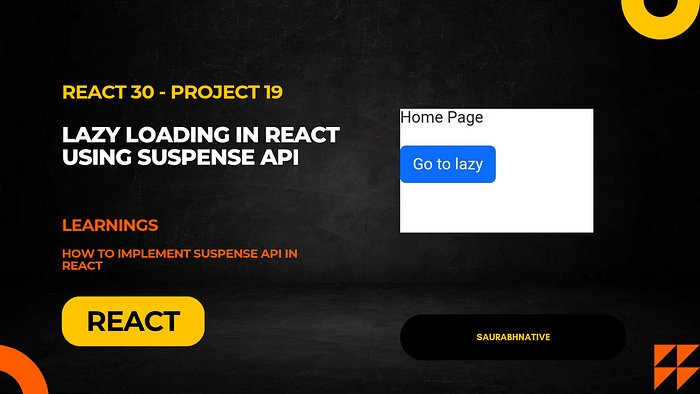


Project image

In this tutorial, we’ll create a simple Shopping Cart application demonstrating how useReducer simplifies state updates.

Article link: [Project 18](https://smhatre59.medium.com/react30-project-18-shopping-cart-app-by-utilising-usereducer-hook-c9580d037d2d)

**19. Implementing Lazy Loading in React using Suspense API**



Project image

In this tutorial, we’ll guide you through building a practical mini project that incorporates lazy loading using React’s Suspense API.  
Article link: [Project 19](https://smhatre59.medium.com/react30-project-19-implementing-lazy-loading-in-react-using-suspense-api-acaa607d6375)

**20. Building a Game Release Website with Styled Components**

In this article, we’ll guide you through the process of building a game release website using React and adding style to your components with the powerful Styled Components library.

Article link: [Project 20](https://smhatre59.medium.com/react30-project-20-building-a-game-release-website-with-styled-components-253927074725)

**21. Building a Text-Only Social Media Website with useMemo in React**



Project image

In this guide, we’ll explore the process of building a text-only social media website using React. To optimize performance, we’ll leverage the useMemo hook for efficient memoization of data.

Article link: [Project 21](https://smhatre59.medium.com/react30-project21-building-a-text-only-social-media-website-with-usememo-in-react-29d9ec797867)

**22. Building a Job Portal with useCallback in React**



Project image

In this article, we’ll explore the process of building a job portal using React and optimizing its performance with the useCallback hook.

Article link: [Project 22](https://smhatre59.medium.com/react30-project22-building-a-job-portal-with-usecallback-in-react-d8305bcc5c5a)

**Benefits of React30**

**- Comprehensive Learning**:

Covers the entire spectrum of React.js concepts and tools.  
- **Practical Application**

Apply learned skills in real-world scenarios through diverse projects.  
- **Hands-On Experience**:

Gain hands-on experience with APIs, charts, authentication, and more.  
- **Portfolio Development**:

Complete your journey by building your developer portfolio.  
- **Problem-Solving Skills**:

Tackle challenges and refine your problem-solving abilities.

**Conclusion**

Embark on the React30 journey to become a proficient React.js developer. Each project is a step toward mastering the React ecosystem. Follow the articles, build the projects, and witness your React skills flourish. Happy coding!

Check out my YouTube channel for more content: