

# MAYANK PRATAP SINGH

## WEB DEVELOPMENT

### PROFILE SUMMARY

Highly motivated and detail-oriented Full Stack Web Developer with hands-on experience in building scalable, responsive, and user-friendly web applications. Proficient in JavaScript, React, Node.js, Express, MongoDB, SQL, and Tailwind CSS, with a solid understanding of REST APIs, authentication, and deployment. Passionate about solving real-world problems through clean code, modern UI/UX, and optimized performance.

### TECHNICAL SKILLS

**Frontend:** HTML, CSS, JavaScript (ES6+), React.js, Redux, Tailwind CSS, Bootstrap

**Backend:** Node.js, Express.js, REST APIs, Authentication (JWT, OAuth)

**Databases:** MongoDB

**Tools & Platforms:** Git/GitHub, VS Code, Postman, Firebase

**Other:** Responsive Design, State Management, API Integration, Deployment ( Netlify, Render)

### PROJECTS

**1). 🛒 E-commerce Web Application :** Tech Stack: React.js, Firebase (Firestore, Authentication), Stripe API, CSS, HTML

**Description:** Built a fully functional e-commerce web application using React for the frontend and Firebase for backend services including product storage, user authentication, and order management.

**Key Features:**

**Product Listings :**Displayed dynamic product catalogs with filtering, sorting, and search functionality.

**🔒 User Authentication:** Integrated Firebase Authentication for secure sign-up, login, and session handling.

**🛒 Shopping Cart :**Developed a persistent cart system using React Context API for global state management.

**💳 Payment Integration :** Integrated Razorpay API to handle secure payments and checkout flow.

**📦 Order Management : Stored** user orders and cart history in Firebase Firestore for later access.

**📱 Responsive Design :** Created mobile-first, responsive UI using modern CSS techniques.

**Outcome:**

Strengthened understanding of full-stack development using serverless architecture.

Gained hands-on experience with React hooks, routing (React Router), and Firebase services.

**2). 📝 Blog Application:** Tech Stack: React.js, Redux Toolkit, JSON Server, Axios,Tailwindcss, HTML

**Description:**

Developed a fully functional blog platform where users can view, create, edit, and delete blog posts. Implemented state management using Redux Toolkit and used JSON Server as a mock backend for development and testing.

**Key Features:**


**📝 CRUD Functionality :** Enabled users to Create, Read, Update, and Delete blog posts with real-time UI updates.

**⚙️ State Management :** Utilized Redux Toolkit for efficient and scalable global state handling.

**🔄 API Integration :** Used Axios to fetch and manipulate data from JSON Server, simulating a real REST API.

**🔍 Search and Filter:** Implemented blog search and category filters for enhanced content discovery.


**😊 User Interaction:** Built interactive UI components including post previews, comments, and likes.

 **Responsive Design** : Developed a mobile-friendly UI with reusable components and consistent styling.

**Outcome:**

Deepened experience with Redux Toolkit slices, thunks, and asynchronous state handling.


Improved skills in component architecture, RESTful API integration, and mock backend testing using JSON Server.

**3).  Real-Time Chat Application** : Tech Stack: React.js, Firebase (Firestore, Authentication), CSS, HTML

**Description:**


Developed a real-time chat application using React for the front end and Firebase for backend services like real-time database and authentication.


**Key Features:**

 **User Authentication** : Enabled secure user login and signup using Firebase Authentication (Google/email sign-in).

 **Real-Time Messaging** : Integrated Firebase Firestore to support real-time bi-directional messaging between users.

 **Responsive UI** : Designed a clean and responsive interface using React components and CSS Flexbox/Grid.

 **Instant Updates** : Utilized Firestore listeners to instantly update the UI upon new message arrival without refreshing.

 **User Management** : Displayed active users, supported chat timestamps, and allowed message history viewing.

**Outcome :**

Gained hands-on experience in building scalable single-page applications (SPA).

Improved skills in React hooks, context API, and Firebase integration.

## EDUCATION

**Bachelor of Technology (B.Tech) in INFORMATION TECHNOLOGY**

**CGPA: 8.13/10**

Dr. A.P.J. Abdul Kalam Technical University (AKTU), Uttar Pradesh

Expected Graduation: **2026**

## CERTIFICATES

- Web Developer (Training) – Graviton Web Technologies, Bangalore (Jul 2024 – Jan 2025)
- Volunteer ,Vigyan Pratiyogita – ITM College (Jan 2024)
- Volunteer, Job Fair – ITM College (2024)

## ACADEMIC AND EXTRACURRICULAR ACHIEVEMENT

- Winner of inter-college kridika competition.
- Runner Up Hackathon 2024 & 2025 inter college competition.

## Extra Section

**Soft Skills:** Problem-solving, teamwork, time management, communication.