Abhinandan Kumar Singh

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EDUCATION

Dr. APJ Abdul Kalam Technical University   Lucknow, UP
B.Tech, IT: 7.47 CGPA   *08/2019 - 06/2023*
Geeta International Public School   Kushinagar, UP
Intermediate,Science(Math): 64.4%   *04/2016 - 03/2018*

TECHNICAL SKILLS

Programming Languages: Javascript
Libraries and Frameworks: React, Next.js, Vue, Nuxt.js,Tailwind, Material UI, Vuetify, Express JS
Tools and Technologies: Github, Asana, VScode, Jira, Postman

WORK EXPERIENCE

Frontend Developer
Excellence Technology,Noida   *09/2023 - 02/2025*

- Implemented real-time communication using **Socket.IO** in a chat application, enhancing user engagement.
- Integrated a **rich-text editor** to enable dynamic and interactive content creation.
- Optimized application performance by reducing load time by **40%** through minimized API calls and efficient use of functional components.
- Implemented **multi-factor authentication (MFA)** to enhance application security.
- Diagnosed and resolved critical bugs, improving application stability and ensuring a seamless user experience.
- Implemented a **dark/light theme** switch using efficient state management, enhancing accessibility and user satisfaction.

PROJECTS

- **Car Booking System**: Developed a feature-rich car booking platform using **Next.js**, **React**, and **MUI** for a modern, responsive user interface. Integrated **Google Maps API** for real-time location selection, route visualization, and distance calculation. Managed state using **Redux** for efficient data handling and ensured real-time updates with **Socket.IO**. Implemented secure authentication using **Next-Auth** and incorporated payment integration using **Stripe API**. Designed a dynamic booking management system with automated notifications using **React-Toastify**. Applied performance optimizations using **Lighthouse** and **React Profiler**, reducing load time by 30%. Developed reusable UI components for scalability and ensured cross-browser compatibility.
- **Bib-chat-app**: A scalable, real-time chat application developed to enhance team communication for remote and hybrid work environments. Designed using **Vue**,**Nuxt**, **Socket.IO**, and **Playground** and **Vuex**, the application supports one-on-one and group messaging. Implemented interactive messaging features with a **rich-text editor**. Optimized frontend performance by reducing unnecessary API calls, improving component rendering and used lazy-loading resulting in a **40% faster** user experience.

PERSONAL PROJECTS

- **Poll Management System**: Developed an interactive poll management platform using **React** and **Vite**, featuring role-based access for users and admins. Implemented intuitive user interfaces with **MUI** and ensured dynamic state management using **Redux Toolkit**. Integrated **Formik** and **Yup** for seamless form handling and validation. Admins can create, edit, and delete polls, monitor real-time user responses, and generate detailed analytics for decision-making. Users can participate in polls, view results instantly, and provide feedback through a responsive interface. Enhanced user experience with **React-Toastify** for notifications and ensured secure data handling using **JWT**. Applied performance optimizations to reduce loading time and ensured cross-browser compatibility.   GitHub
- **Tour Booking System**: Developed the frontend of a tour booking platform using **Vue**, **Vue-Leaflet**, and **JavaScript**, allowing users to select starting and destination points on an interactive map. Integrated custom forms for user input and implemented a booking duration selection feature. Enhanced the user experience with real-time location visualization, responsive design using **CSS** and **TailwindCSS**, and form validation. Utilized API calls to fetch map data and ensure accurate route representation. Delivered a seamless booking experience with optimized UI components.   GitHub