VIJAY KUMAR MAHTO

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Education

National Institute of Technology, Jamshedpur   July 2017 – June 2021
(B. Tech. in Electronics and Communication Engineering)
- **CGPA**: 8.07/10
- **Coursework**: Computer Networks, Computer Programming, Data Structures, etc.

Technical Skills

Languages: C++, JavaScript (ES6+), Typescript

Frontend Technologies: HTML5, CSS3, JavaScript, ReactJS, Redux Toolkit, Zustand, TailwindCSS.

Backend Technologies: NodeJS, Express, MongoDB.

Tools: Git, Github, VSCode, Vite, Jest, Chrome DevTools.

Work Experience

Freelance - Frontend Web Developer   June 2021 - Present
- Designed and Developed a custom Admin Dashboard using React.js and Recharts, leading to a 40% improvement in data visualization efficiency for the client.
- Optimized table rendering performance, reducing load time by 60% using React Virtualization and an infinite scrolling mechanism, enhancing user experience for handling large datasets.
- Implemented lazy loading and code-splitting, reducing initial bundle size by 30%, leading to a 25% faster first contentful paint (FCP). Refactored and modularized legacy React components, reducing code redundancy by 35%, improving maintainability, and enhancing readability.
- Maintained Coding Proficiency by solving 300+ leetcode questions and Competitive Coding Contests on CodeChef. Engaged in hands-on web development, building projects using HTML, CSS, Javascript and React.js with a focus on SEO, performance optimization, and scalable architectures.

Defence Services Exams & Interviews   June 2021 - Sept 2024
- Appeared for SSB interview of TGC-138 & TGC-140, Qualified AFCAT & UPSC CDSE written exam twice each, and appeared for their respective SSB interviews. Gained skills such as discipline, strategic planning, decision-making, and problem solving.

aarzoo Inc. - Frontend Engineer (Intern) , Bengaluru (Remote)   April 2020 - July 2020
- Contributed in bootstrapping the frontend of a MVP for pitching to potential clients.
- Developed a dashboard that displayed Product Metrics and Ad Revenues of any Shopify Store with tables and charts using React, TailwindCSS and Recharts Library.
- Optimized render of shop item lists by 75% by implementing lazy loading in React.

Projects

Mappin | A Place Review App | MERN Stack - (June - July 2023)   **Github Repo.** | **Preview**
- Developed an interactive mapping web application enabling users to add and visualize custom data points on an interactive map.
- Integrated dynamic geolocation and data visualization features to provide a seamless user experience for displaying and managing location-based information.
- Reduced API response time by 30% using server-side caching and optimized DB queries.

Music Player | Vanilla JS - (July 2023)   **Github Repo.** | **Preview**
- Developed a fully functional music player web app with an intuitive UI, supporting play, pause, and change track feature using plain HTML, CSS and Javascript with offline playing support.