Harsh Raj Kumar

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Experience

Web Developer - Tata Consultancy Services, Kolkata   Aug 2022- present

- Developed modular and reusable component libraries in React, ensuring consistent UI/UX across projects and reducing development time by 25%.
- Collaborated with four cross-functional teams, reducing bug resolution time by 40% with 10+ reusable components. Managed 200+ tasks in Jira, improving project delivery time by 25%.
- Optimized Restful Apis and integrated third-party solutions, resulting in a 30% faster response time and a 20% improvement in user experience, increasing customer engagement.
- Improved website performance by 10% through event delegation and streamlined event handling, reducing memory usage and enhancing user experience.
- Leveraged React hooks (use state, use effect, use callback, use memo) to streamline state management, achieving a 20% performance boost and support efficient workflows within an agile environment.
- Refined React's use reducer to minimize redundant API calls, resulting in a 20% performance increase and enhancing scalability across the stack.
- Enhanced database efficiency with indexed MongoDB/MySQL queries, achieving 30% faster data retrieval and supporting high-performance back-end solutions for real-time applications.

Projects

Portfolio | React and Tailwind CSS   Source code

- Developed a responsive personal portfolio application using React and Tailwind CSS.
- Showcasing a modern glass morphism effect, fine-tuned for performance with a loading time under 1 second and a 90%+ Lighthouse performance score.

E-Commerce App | Tailwind CSS, React, Redux, Java, Spring Boot, JPA, Postman   Source Code

- Designed and implemented a scalable full-stack e-commerce platform supporting distinct user and seller profiles.
- Implemented scalable Restful Apis using Java, Spring Boot, and JPA for robust product management, role-specific features, and optimized database queries, achieving a 30% performance boost.
- Built responsive user interfaces with React and Redux, creating feature-rich dashboards for sellers to manage products and customers to explore and purchase, ensuring seamless navigation and real-time updates.
- Connected front-end and back-end using Restful Apis with Redux for state management and JWT-based authentication for secure login, role-based access, and data privacy.

Netflix Clone: | React, custom CSS, Firebase for authentication, and Redux.   Source Code

- The application is fully responsive and user-friendly, allowing users to browse over 10,000 movie titles with smooth transitions and fast loading times.

Skills Summary

Languages: JavaScript, Java, OOP, SQL, Linux, Microsoft VBA

Frameworks: HTML, CSS, Tailwind, Bootstrap, React.js, Redux, Spring Boot, REST API, JWT

Tools and DB: Git, Restful Apis, AWS, MongoDB, SQL, Agile/Scrum Methodology

Education

Aryabhatta Knowledge University, Patna, India   Aug 2017- Nov 2021

- Bachelor of Technology | 8.10

Coding Profile

LeetCode: Solved 550+ problems and earned eight badges.