

Akshay Kumar

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<https://kumar-akshay-portfolio.vercel.app/>

MERN-Stack Developer

Dynamic MERN Stack Developer with 3+ Years of Expertise | Proficient in Building Scalable, High-Performance Web Applications, Integrating Robust APIs, and Delivering Intuitive User Experiences

WORK EXPERIENCE

HCLTech

Noida, Uttar Pradesh, India • 01/2022 - Present

Analyst

- **Developed** and maintained **full-stack web applications** using **MongoDB, Express.js, React.js, and Node.js (MERN)**, achieving a **30% increase in development efficiency**.
- Designed and implemented **responsive user interfaces** using **React.js** and **Tailwind CSS**, improving **cross-device compatibility by 40%**.
- **Optimized web application performance**, reducing load times and improving overall efficiency by implementing **code-splitting, lazy loading, and state management** techniques.
- Reduced page load times by **30%** through code refactoring, caching strategies, and performance optimization techniques.
- Optimized MongoDB queries and database schema design, resulting in a **50% improvement in data retrieval speeds**.
- Spearheaded integration of **RESTful APIs**, optimizing data flow and enhancing user experiences.

SKILLS

- **Programming Languages:** CSS3, HTML5, JavaScript (ES6+)
- **Frontend Development:** Bootstrap, Material UI, React JS, React-Router, Redux, Tailwind CSS
- **Backend Development:** Express.js, Node.js, RESTful API design
- **Version Control:** Git, Github
- **Database Management:** MongoDB, Mongoose for schema design

PROJECTS

MERN Chat App

09/2024 - 11/2024

- Developed a **real-time chat application** using the **MERN stack** with WebSocket integration for seamless communication. Implemented **secure user authentication** using **JWT tokens**.
- Achieved a **40% improvement in message delivery speed** through efficient WebSocket and database optimization.

Netflix GPT - Responsive Movie Recommendation Platform

08/2024 - 09/2024

- **Built with:** React JS, Tailwind CSS, Redux, TMDB API, Gemini API
- **Enhanced user experience** through **secure login and sign-up forms**, implementing form validation via **Firebase**.
- **Fetched real-time movie data** from the **TMDB API**, ensuring comprehensive and up-to-date movie listings.
- Integrated **Gemini AI** to deliver **smart, keyword-based movie recommendations**.

EDUCATION

B.tech in Electronics & instrumentation engineering

MJP Rohilkhand University • GPA: 72.1%

Bareilly • 07/2015 - 08/2019