UDAY RANA

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OBJECTIVE

Creative and detail-oriented MERN Stack Developer with 1 year of hands-on experience in building scalable web applications using MongoDB, Express.js, React.js, and Node.js. Skilled in developing responsive front-end interfaces, designing robust back-end APIs, and integrating databases to deliver seamless end-to-end solutions. Adept at optimizing performance, solving complex problems, and collaborating with cross-functional teams. Seeking a software developer role to contribute impactful, user-centric applications in a dynamic tech environment.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Java, HTML5, CSS3
- **Frontend:** React.js, Redux, Nextjs(Basics), Tailwind CSS, Bootstrap, Responsive Web Design
- **Backend:** Node.js, Express.js, RESTful API Development
- **Database:** MongoDB, MySQL, Mongoose (ODM)
- **Tools & Technologies:** Git, GitHub, WebSockets, API Integration, Postman
- **Performance & Best Practices:** Code Splitting, Lazy Loading, API Optimization, Caching, Efficient State Management, SEO Optimization
- **Soft Skills:** Problem Solving, Attention to Detail, Collaboration, Communication

EXPERIENCE

Frontend Developer

Elite Back Office Solutions Pvt. Ltd.   Oct 2024 – Present

- Collaborated with UI/UX designers to convert high-fidelity designs into responsive React.js components using Bootstrap and Tailwind CSS, increasing delivery speed of front-end features by **35%**.
- Integrated RESTful APIs for dynamic data handling and improved data flow across components, reducing frontend-backend sync issues by **40%**.
- Applied performance optimizations like lazy loading, component memoization, and asset compression, resulting in a **25% improvement** in initial page load time.
- Ensured cross-browser and cross-device compatibility, expanding reach across mobile and legacy browsers.
- Designed and implemented scalable backend APIs using **Node.js** and **Express.js**, while contributing to **MongoDB** schema design and query optimization to ensure efficient data flow, seamless frontend integration, and improved application scalability..
- Participated in code reviews, followed Git-based workflows, and contributed to reusable UI libraries to maintain clean and scalable codebases.

PROJECTS

RWA Pros
Tech Stack: React.js, Node.js, Express.js, MongoDB, Tailwind, CoinGecko API

- Worked as part of the core development team from project inception to deployment, building a full-stack platform for discovering, tracking, and analyzing tokenized real-world assets (RWAs).
- Developed and optimized frontend interfaces with React.js and Tailwind css, ensuring responsive design and seamless user experience.
- Implemented backend RESTful APIs with Node.js and Express.js, integrating the **CoinGecko API** for real-time market data, price analytics, and portfolio insights.
- Collaborated closely with senior developers on database design, API structure, and frontend-backend integration to improve data flow, performance, and scalability.

DNGHub
Tech Stack: React.js, Redux, Bootstrap, RestAPI, WebSockets

- Resolved UI/UX bugs and state management issues across the platform, improving app stability and reducing crashes by **35%**.
- Debugged and optimized real-time chat and negotiation system (buyer ↔ seller ↔ admin), ensuring consistent message flow and accurate role-based rendering.
- Corrected inconsistencies in role-based authentication and routing, ensuring smooth navigation between buyer, seller, and admin dashboards.
- Improved responsiveness and layout issues using Bootstrap, enhancing mobile usability by **40%**.
- Collaborated with the core development team to identify edge cases, reproduce production errors, and implement long-term fixes.

AI-Powered RWA Chatbot
Tech Stack: Node.js, Express.js, LangChain, Google Gemini API, Qdrant, MongoDB

- Developed an intelligent chatbot capable of answering queries related to Real-World Assets (RWA) by integrating LLMs with vector-based semantic search.
- Implemented a hybrid query handling system to classify queries as static, dynamic, or hybrid, enabling context-aware and real-time responses.
- Integrated Qdrant vector database for embedding storage and retrieval, enhancing semantic relevance and reducing retrieval latency.
- Built custom tool-calling mechanisms to fetch real-time data such as token prices, asset comparisons, and regulatory updates.
- Designed modular pipelines for context retrieval, prompt generation, and LLM invocation, ensuring scalability and maintainability.

EDUCATION

Shri Ramdeobaba College of Engineering and Management, Nagpur
Master of Computer Applications — CGPA: 9.16
Aug 2023 – May 2025