MERAJUL AARFEEN

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PROJECTS / EXPERIENCE

SyncTalk [chat application]

- Developed a high-performance, real-time chat application built on the MERN stack, achieving **sub-50 ms latency** for seamless, instant messaging through **Socket.IO** and WebSocket integration.
- Designed a **scalable backend architecture** using Express.js on Node.js, optimised with MongoDB for **5,000+ concurrent connections** while maintaining data integrity and secure user authentication. Utilised efficient indexing and query optimization to achieve a **92% data retrieval rate** under peak loads, ensuring stable, reliable performance.
- Created a fully responsive, **user-centric front end** with React.js, supporting both mobile and desktop users for cross-platform functionality, delivering real-time updates with improved user retention by **80%**. Integrated best practices in session management and data encryption to safeguard user information, providing a secure and engaging chat experience.

E Zey [e-commerce]

- Developed a responsive e-commerce platform using React.js, incorporating Firebase for real-time user authentication and inventory management, achieving a **30-second reduction in average page load time,** enhancing customer experience by 40%.
- Integrated Firebase for real-time database management, enabling **100% secure** user authentication, efficient order processing, and accurate inventory tracking, improving **operational efficiency by 20%**.
- Engineered scalable and modular React components, leveraging Firebase as the backend for maintainability and scalability, enabling future feature expansion with **50% faster deployment times**. Throughout the development process, I used Git and GitHub for effective version control, managing the source code repository.

Practice Projects

- Taskly - A To-do App
- Infinite Ink [blog site]
- Contact App
- Weather App

SKILLS

Web Technologies: ExpressJs, RESTful APIs, HTML, CSS3, Redux, Tailwind CSS, JWT, Web Socket

Programming Languages: JavaScript (ES6+), C++, Python   **Frameworks:** ReactJs, NodeJs   **Database**: MongoDB

Development Tools: Version Control (Git, GitHub), VS Code, Postman

Soft Skills: Strong Communication, Problem-Solving, Collaboration

CERTIFICATIONS

Career Essentials in Software Development by Microsoft and LinkedIn   View credentials

Node.js Essential Training   View credentials

EDUCATION

Bachelor of Technology (B. Tech.)   July 2019 - May 2023
Sharda University, Greater Noida (India)