Bhuiyan Shadman Wasif

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EDUCATION

San Francisco Bay University Fremont, CA
Master of Science in Computer Science *Sept. 2022 – April 2024*
CGPA: 3.94 / 4.0

Independent University, Bangladesh Dhaka, BD
Bachelor of Science in Computer Science and Engineering *Sept. 2017 – Dec 2021*
CGPA: 3.78 / 4.0

EXPERIENCE

Frontend Intern July 2023 – Present
Frontend Simplified *Remote*
- Transformed a completely static HTML, CSS, JavaScript, and React single-page application into an interactive user interface using animations, transitions, and carousels.
- Processed API requests with Axios to automatically fetch and represent data from a cloud server through skeleton loading states, pagination, and dynamic routing, enhancing user experience and improving data visualization.
- Collaborated with virtual team members using Git version control and the GitHub interface to seamlessly integrate code, manage versions, and maintain a project with over 100,000 lines of code.

Graduate Teaching Assistant Aug. 2023 – Present
San Francisco Bay University *Fremont, CA*
- Evaluated and graded assignments for over 30 students per class, ensuring fair assessment and timely feedback.
- Assisted in improving students' understanding of complex algorithm topics, resulting in an average of 15% improvement in their grades.
- Scheduled weekly TA hours to answer students' questions related to the course

PROJECTS

Netflix Clone / *Website* / *GitHub*
- Developed a Netflix clone fetching movie data dynamically from the TMDB **API**.
- Implemented a responsive UI, leveraging technologies such as TypeScript, Next.js and Tailwind CSS.
- Integrated Firebase for real-time user authentication.
- Utilized **Recoil** for state management and created a Modal component using Material-UI.

Real-Time Chat App / *Website* / *GitHub*
- Developed a real-time chat application using **React** for the frontend and **Firebase** for the backend, resulting in an average of **1000** messages sent daily.
- Ensured user data **security** with Firebase **Authentication**, resulting in zero security breaches.
- Leveraged **Context API** to facilitate user account creation, friend management, and seamless real-time messaging.
- Implemented a **useReducer** to efficiently manage chat-related state, simplifying complex updates when users select chat partners.

Online Library / *Website* / *GitHub*
- Developed a dynamic web application using **React.js**, enhancing user experience and engagement by 25%.
- Utilized React **Router** for effective routing and page navigation within the application, improving page load times by 15%.
- Incorporated **useState** and **useEffect** hooks for state management and side effects handling.
- Implemented a skeleton loading state for improved user experience during data fetching.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++, SQL, Java, HTML/CSS, Tailwind CSS
Frameworks and Libraries: React, Redux, Recoil, Next.js, Node.js, WordPress
Developer Tools: Git, Docker, AWS, Visual Studio Code, NetBeans, IntelliJ, Eclipse
Backend Services: Firebase