Md Abrar Al Zabir

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EDUCATION

Bachelor of Science, Computer Science
The University of Texas at Dallas · Richardson, TX · 2028
· Awarded the academic excellence scholarship (AES) renewable for 4 years based on outstanding academic performance.

SKILLS

Languages & Technologies: Python, C++, JavaScript, HTML, CSS

Databases: MongoDB, MySQL

Frameworks & Libraries: React.js, Express.js, Node.js, Tailwind CSS, Open CV, Firebase

EXPERIENCE

Software Engineer | Full-Stack Developer
Himmels Zenith   **December 2024 - Present, Dhaka, Bangladesh**
· Leading the development of a full-stack web application using React.js and Tailwind CSS for a modern, fully responsive frontend, utilizing Context API for global state management.
· Built a robust backend with Node.js, Express, and MongoDB Atlas to support dynamic data management and API integration.
· Designed and implemented RESTful APIs to enable CRUD operations, ensuring efficient data handling and scalability.
· Integrated various payment methods including Stripe and bKash and used Axios for seamless communication between frontend and backend.

Software Developer Intern | Frontend Developer
99 Yards   **September 2024 - December 2024, New York City, NY**
· Utilized React.js and tailwind CSS to develop a fully responsive and highly dynamic redesigned version of the company's website.
· Implemented Routing using react router DOM to allow for seamless navigation, improving the rendering speed by 70%.
· Adhered to Agile methodology to deliver pixel-perfect UI from Figma designs, contributing 1000+ lines of code to GitHub repositories.

S5 Builder (n&w)
Buildspace   **June 2024 - July 2024, San Francisco, CA**
· Participated in a 6-week program, developing a Computer Vision project utilizing Python scripts while employing OpenCV library.
· Utilized the mediapipe and OpenCV libraries to track users' hand gestures in real-time, enabling interactive and dynamic gesture recognition.
· Leveraged PyAutoGUI to control cursor movement and perform left-click functionalities based on users' hand gestures.

PROJECTS

Sustainify
HackUTD · github.com/decloon/HackUTD · November 2024 - November 2024
· Developed an AI-powered web app for HackUTD 2024 in a team of 4, enabling property managers optimize energy usage and sustainability.
· Built a responsive frontend with ReactJS and Tailwind CSS, and a backend with Flask and PostgreSQL for efficient data storage.
· Integrated data analysis tools like Pandas, Scikit-learn, and ChartJS, using SambaNova's LLM for tailored insights.

Netflix Clone
github.com/ClosetCoderSad/Netflix-Clone · September 2024 - September 2024
· Developed a Netflix prototype clone utilizing ReactJS and CSS for a fully responsive frontend.
· Integrated TMDB API for seamless content fetching and Firebase for backend services, such as Authentication for secure user login and registration.
· Created a user-friendly, dynamic interface with responsive design, replicating core Netflix features for practice and learning.

AI Assistant Mouse
Buildspace · github.com/ClosetCoderSad/AI_Assistant_Mouse · June 2024 - July 2024
· Developed an AI-powered assistant mouse using OpenCV, MediaPipe, and PyAutoGUI to control the mouse pointer with hand movements.
· Implemented real-time hand tracking with MediaPipe, enabling accurate gesture recognition for controlling mouse actions.
· Utilized PyAutoGUI to perform mouse movements, selection, and left-click actions based on specific hand gestures performed by the users.

ORGANIZATIONS

General Member
The University of Texas at Dallas · ACM UTD · September 2024 - Present