Rafid Hasan

Portfolio Website • GitHub • LinkedIn • hrafid001@gmail.com

Programming Skills

Programming	C++ • Java • Python • JavaScript • TypeScript • PHP
Web & Database	HTML • CSS • MySQL • MongoDB
Frameworks	Bootstrap • ASP.NET Core MVC • Express • NextJS • ReactJS
Tech	Git • Docker • Visual Studio • VSCode • MS Office • Eclipse • IntelliJ • Unix

Education

Bachelor of Technology, Computer Science. GPA: 7.0   **Expected Graduation: May 2024**

Amity University, Lucknow, India.

   Courses: Data Structures & Algorithms, Java OOP, Computer Networks, C++ Program Design, DBMS.

Projects

Amazon Shopping WebApp - *[Source Code] [Link]*

- Developed a full stack e-commerce web application using **Nextjs, Reactjs, Redux and tailwind css**, replicating the full functionality of Amazon.
- Integrated Google authentication using **OAuth** to enable users to sign in to the platform using their google account. Also, implemented a secure payment session using **stripe** payment gateway.
- Used **Google Firebase** for storing real time data like order's history of users and created a **webhook** for ensuring real time updates in the database
- Developed the application and deployed it on **Netlify**.

AI-Image generation App – *[Source Code] [Link]*

- Developed and Deployed an AI image generation application using **MERN(MongoDB, Express.js, React, Node.js)** stack. Integrated the **OpenAI API** to generate image as per the user input.
- Implemented an intuitive and user-friendly front-end using React to facilitate seamless interactions with the AI image generation tool. Leveraged Node.js and Express.js to build a robust and scalable back-end, enabling efficient data processing and handling of **API-requests**.
- Utilized **MongoDB** as the database to store and manage user data and generated images securely.

CryotoVerse – *[Source Code] [Link]*

- Developed a cryptocurrency tracking app using **React** that allows users to view real-time prices and market data for major **cryptocurrencies** like Bitcoin and Ethereum.
- Integrated multiple API endpoints from **RapidAPI** to retrieve live price data, news articles, and crypto exchange information to populate the app with dynamic content.
- Implemented **React-Router** to create a multi-page user interface allowing users to view prices, news, and exchanges as separate pages within the app.
- Used React hooks like **useState**, **useEffect**, and **useContext** to manage state and fetch API data on component.
- Followed best practices for **React conditional rendering**, immutable state, and unidirectional data flow architecture.

Sentiment Analysis – *[Source Code]*

- Trained a model to analyze amazon reviews and classify them into positive, negative and neutral reviews
- Plotted the result as various graph using python's **matplotlib** library.
- Gained knowledge **about stemming, CountVectorizer, TF-IDF vectorizer**.

Extras

- 200+ questions on **GeeksforGeeks** and **Leetcode**.
- Python Industrial Training at **Tevatron Technologies**, Noida, India.
- Full Stack Web Development Course on Udemy.