DIHAN MAHMUD TAPU
www.dihanmahmud.me
dihanmahmud@outlook.com | (+880) 1521776259

/Dihan Mahmud   /Dihan Mahmud

SKILLS

- ❖ **Languages: C++, JavaScript (ES6+), HTML5, CSS3**
- ❖ **Frameworks & Libraries: React.js, Next.js, Tailwind CSS, GSAP, Remix**
- ❖ **State Management & Forms: Redux Toolkit, React Hook Form, Zod**
- ❖ **Backend & APIs: Prisma ORM, Axios, RESTful API Integration**
- ❖ **Databases: PostgreSQL (Basic)**
- ❖ **Cloud & Deployment: Vercel, Netlify, Firebase, Appwrite**
- ❖ **Tools & Version Control: Git, GitHub, React Router**

EDUCATION

- ❖ Computer Science and Engineering | UITS   *CGPA:3.49 | (2020-2024)*
- ❖ HSC (Science) |Govt.Tolaram College   *GPA: 4.17| 2019*

PROJECTS

- ❖ **Code Collab** – *Q&A Blog System [Live]*
    - Developed the frontend of CodeCollab, a Q&A blog system, using React.js with a clean, responsive UI for seamless user experience.
    - Built reusable components with React Hooks and optimized state management for better performance and scalability.
    - Integrated RESTful APIs with Axios to enable real-time blog posting, commenting, and voting functionalities.
    - Deployed the frontend on Vercel, achieving fast load times and 99.9% uptime for users worldwide.
    - Focused on creating an intuitive UX, boosting user engagement and session duration by designing user-centric interfaces.
- ❖ **NasStore** – *An e-commerce [Live]*
    - Designed and developed the **NasStore** e-commerce frontend using **React.js**, creating a modern, responsive, and user-friendly shopping experience.
    - Built dynamic pages for product listing, shopping cart, checkout, and user authentication, integrating **RESTful APIs** for real-time data management.
    - Managed global state efficiently using **Redux Toolkit**, and developed reusable UI components following scalable architecture best practices.
    - Collaborated with backend APIs built with **Node.js** and **Express.js** to ensure seamless and secure user interactions.
- ❖ **Currency Converter** - *Exchange currency rate app using API [Live]*
    - Designed and developed a currency converter utilizing an external API for real-time exchange rates.
    - Enabled users to convert between different currencies effortlessly with accurate, up-to-date rates.
    - Built the user interface with React.js.
    - Managed API requests with Axios for fetching exchange rates.

ACHIEVEMENTS

- Placed **10th** in *Intra University Programming Contest 2022* at **UITS**.
- Achieved **Runner-Up** position in *Summer Fest 2023 Competitive Programming* contest at **UITS**.
- Solved **200+** problems across competitive programming platforms including **Codeforces** (Handle: *lunatic_*), **LeetCode**, **CodeChef**, and **HackerRank**.

HOBBIES

- Playing Football and Exploring new things in life.