

Medhashis Maiti

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Frontend | Backend | Full-Stack developer

Linkedin: [account](#) | Github: [mdhmaiti](#) | portfolio project :[medhashis portfolio](#)

Learning and innovating to solve the challenges ahead.

Education

1. **University Institute of Technology, University of Burdwan | BE - ECE | CGPA - 8.68** 9/aug/19 - 10/aug/23
2. **Jogamaya Memorial Institute | ISC | Class 12 | 80.25%** 7/may/19
3. **Jogamaya Memorial Institute | ICSE | Class 10 | 88.25%** 29/may/17

Skills

TypeScript | JavaScript | React.js | Next.js | React Query | Tailwind CSS | CSS | HTML | Material UI | Shadcn UI | SQL | NoSQL | PostgreSQL | MongoDB | Prisma ORM | Docker | Node.js | RESTful APIs | Express.js | Next-auth | Git | Github | Java | Linux (WSL) | Adobe Photoshop.

Projects

Grocery Online

[Code](#) [Live](#)

- Developed a web app for selling food and kitchen utensils online. It has a role-based user system.
- Implemented the authentication, both client and server-side validations, created forms with react hook forms with Zod validations and added drag and drop feature, connected PostgreSQL database to both docker and superbase using Prisma orm, made perfect reusable react components like the Carousel, Resizable panel, cards, Buttons, animations using Tailwind CSS, and react query for fetching the categories from the database.
- Achieved performance metrics - 100% SEO, 95% best practices, and 99% performance according to Google PageSpeed Insights with a load time of approximately 2 sec.

Text To Speech App

[Code](#) [Live](#)

- Developed a text-to-speech app for children using Web Speech API, Next Js, TypeScript, and React JS.
- It can speak in multiple voices and at different speeds using range-type input. The web app highlights the current sentence and the words it reads. It has a play, pause, stop, and fetch button to fetch some random text from Typicode API. It has many practical uses like learning pronunciations, or a supplement to auditory learners.
- Limitations of the Web Speech API include browser compatibility with different voices and border events, so this app may not sound the same for different devices and browsers.

Threads

[Code](#)

- Independently developed an application using JavaScript Mastery tutorials, separated and organized each challenge into smaller sub-parts, and finally git committed everything on GitHub.
- Learned how to use server actions and clerk authentications in Next JS. I got some insights on how to design the database for threads like applications using Mongo DB, what are webhooks, and the importance of webhooks in real-world scenarios.

Todo

[Code](#) [Live](#)

- Created a Todo application using Typescript, Vite, and React and created a [blog](#) on Hashnode on how to build this app. The tutorial consists of the whole code and it aims to teach about state management in react and some basic concepts such as prop drilling.

Optimum Temperature Analysis using IOT and Peltier Cooling Effect

[University project.](#)

- Collaborated with a 6-person engineering team to preserve the food items for a longer period of time by controlling the temperature using Arduino.
- Programmed the Arduino to control the temperature and helped my team with the application of machine learning which detects the fruit and predicts the approximate days the fruits can be preserved.
- The system was able to drop the temperature from 30 degrees to 22.6 degrees in just 16 minutes and the final temperature achieved was 13.7 degrees. The system successfully detected a banana and also controlled the temperature using a fan and finally terminated the cooling process when it reached its optimum temperature of 16 degrees Celsius.

Certification

1. **Advanced Web Development Cohort - Harkirat Singh(100xDevs)**
2. **Web Development Bootcamp - Angela Yu(Udemy):**
3. **12 factors app - Kode Kloud- Mumshad Mannambeth**