

MAHZABIN RASHID FARIHA

mahzabin.netlify.app ♦ github.com/mahzabinrashid/ ♦ linkedin.com/in/mahzabin-rashid/ ♦ mahzabin.fariha@uwaterloo.ca

EDUCATION

University of Waterloo

Sept 2020 - April 2025 (expected)

Candidate for Bachelor of Computer Science (Co-op), **3.9/4.0 CGPA**

University of Waterloo President's Scholarship of Distinction recipient

SKILLS

Languages: JavaScript, HTML, CSS, Python, C, C++, Racket

Frameworks and Tools: React, Vue, Node, Express, MongoDB, Git, Firebase, Figma, WordPress, Google Analytics

EXPERIENCE

Modumate

San Francisco, California

Frontend Engineer

May 2021 – August 2021

- Singlehandedly designed the frontend to facilitate real-time workspace collaboration among multiple users
- Leveraged **Vue** and **Vuex** to build membership, invitation, projects, and settings pages used by **3000** enterprise users
- Refined the authentication flow and integrated Vue routing to reduce unnecessary network requests by **40%**
- Enhanced data processing for user engagement statistics by creating SQL queries to filter data

Nabodeep

Dhaka, Bangladesh

Web Developer

December 2021

Created a website using Wordpress for a Bangladesh Government fertilizer company with a user base of **50+ million**

Alate

Dhaka, Bangladesh

Technology Department Head

Nov 2020 – Feb 2021

Led a team of 4 volunteers to host webinars to improve the programming literacy of over **80+** highschool students

PROJECTS

Coffee Hours

- Built a web app for virtual chats with university mentors which won TechNova 2021 among **300+** participants
- Used **React** for the frontend, integrating a filter functionality to sort mentors according to students' needs
- Set up an authentication system with **Firebase** and integrated Cloud Firestore to store and display user data
- Embedded meeting links for every mentor, restricting visibility to only logged in users

TutorFinder

- Conceived and developed an online employment platform that connects tutors and students digitally, eliminating the high costs prevalent in similar physical services using the **MERN** stack
- Developed the frontend using **React** and designed the UI using **Figma**
- Implemented **Express** to build an API to construct an authentication system, utilizing a **MongoDB** database

Algorithma

- Worked in a team of 4 to design the UI and develop a blog that hosts visualizations of computational and procedural generation algorithms using **HTML**, **CSS** and **JavaScript**

Chess

- Implemented OOP Principles and design patterns to create a human versus computer chess engine in **C++**
- Emulated the MVC model and set up graphical interface using XWindows to display the chessboard and pieces

Creators' Colosseum

- Conceived and created a WordPress site for artists to showcase their creativity, leveraging various plugins
- Acquired a customer base of **500+** within the first two months of launch with user retention of **80%**
- Secured first place in the Upper Division of Spring Ideathon by Tomorrow's Entrepreneurs for the business idea

Project Global

- Designed the UI/UX of an app that won Outstanding Social Impact in T9Hacks 2021 among **100** participants
- Drafted the pages and prototyped the app using **Figma** to develop a high fidelity mockup of the application