MAHZABIN RASHID FARIHA

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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

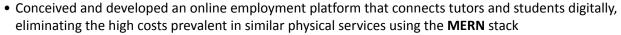
PROJECTS

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 (7)



- 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 (7)

- 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