MAHZABIN RASHID FARIHA

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EDUCATION

University of Waterloo — *Bachelor of Computer Science (Honours)*   *Sep 2020 - Apr 2025*
Current GPA: 3.7/4.0
Relevant Courses: Data Structures, Algorithms, OOP, Networks, Operating systems, Databases
Affiliations: Grace Hopper (2023 Attendee), Harvard WECode (2024 Attendee), Women in CS Club, Rewriting the Code

EXPERIENCE

Relay Financial 🔗   *Toronto, ON*
Software Engineer Intern   *May 2024 - Present*
- Contributing to the Growth team to increase user retention and decrease drop-off in the registration funnel

Wealthsimple 🔗   *Toronto, ON*
Software Engineer Intern   *Jan 2023 - Apr 2023*
- Boosted portfolio discoverability utilizing **React Native**, spiking user traffic to over **1 million** for assets worth $15B
- Migrated **Ruby on Rails** services for Invest app deprecation messaging, seamlessly transitioning **230K+** users
- Implemented **TypeScript** data validation types and incorporated new actions and reducers into **Redux** for efficient asset and text imports into Contentful, enabling agile content updates and boosting stakeholder satisfaction
- Created reusable components and assets in the **Design System** for cross-repository use, streamlining development

Wattpad 🔗   *Toronto, ON*
Software Engineer Intern   *May 2022 - Aug 2022*
- Revamped the user interface for Watty Awards 2022 in **React**, resulting in the seamless submission of **50K+** forms
- Automated user complaint notifications using **Golang** microservices, streamlining customer support tickets
- Spearheaded the user accessibility project, utilizing Axe DevTools to reduce accessibility issues by **23%**
- Enhanced code reliability by scripting unit tests using **Jest** and **Enzyme**, achieving **82%** coverage of the codebase

Modumate 🔗   *San Francisco, CA*
Software Engineer Intern   *May 2021 – Aug 2021*
- Single-handedly led the frontend development of a real-time collaboration project for architects, using **Vue** and **Vuex** to craft **5+** multi-purpose webpages, resulting in improved productivity for **3000+** enterprise users
- Implemented a project duplication feature with **Express**, allowing users to replicate projects directly via the web app
- Created custom **SQL** queries to filter data, resulting in more efficient data processing for user engagement statistics
- Utilized Klaviyo API for automated messaging for password resets and workspace collaboration invitations

PROJECTS

TutorLab - React, Redux, Node, Express, MongoDB, GCP
- Co-founded a South Asia-based educational marketplace, securing pre-seed funding and acquiring **700+** users
- Developed **13+ React** pages with **Redux** for global state management and i18next for multilingual support
- Engineered scalable backend components, including **MongoDB** database schemas and **Express** APIs, to adhere to the **MVC architecture**, and set up a custom domain on **GCP**'s App Engine

QuackPrep - React, Node, Socket.IO, Gemini, Google STT & TTS, face-api.js
- Built an AI-driven interview practice platform using **Gemini** for real-time feedback and response optimization
- Integrated **Google STT/TTS** for communication and facial expression recognition for improved performance

TechNova
- Spearheaded UWaterloo's first women-in-tech hackathon as the **Engineering Lead**, attracting **400+** global hackers
- Managed development of the TechNova website using React animations and transitions, driving **3000+** website visits

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Ruby, Go, Python, C/C++, SQL
Technologies: Node, React, Redux, React Native, Vue, Express, AWS, GCP, Ruby on Rails, Golang, MongoDB, Git, Linux