A.K.M. Adib

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Technical Skills

Languages: Java, Python, HTML/CSS/Javascript, Racket
Frameworks: React.js, Node.js, Vue.js, Flutter, Ruby on Rails, MongoDB
Developer Tools: Git, Bash, VS Code

Education

University of Waterloo   Waterloo, ON
Bachelor of Computer Science, Honours   *September 2020 – Present*

Experience

Technology Member   October 2020 – Present
Canadian Undergraduate Technology Conference   *Toronto, ON*

- Developing the website and technology tools to be used at Canada's largest undergraduate tech conference

Backend Developer   October 2020 – November 2020
watFriends   *Waterloo, ON*

- Optimized runtime of data collection from users by **6x** through profiling in **Python**
- Automated and created a bulk email system with **MongoDB**, **MailChimp API** and **cron**, deployed this service to **Azure Functions**
- Created a **Slack bot** to notify the status of database reads with webhooks reducing time spent monitoring by **2.5x**

Full-stack Developer   June 2020 – August 2020
Moralyzer   *Waterloo, ON*

- Built **5+** UI components in **Material UI** with **React** to increase user engagement
- Worked on enabling users to upload images **300%** faster through **Amazon S3** and **Ruby on Rails**
- Deployed the application in **Heroku** and worked in an **Agile** environment
- Collaborated with UI/UX designers, product managers and worked with **5+** developers to create a product that promotes social justice

Co-President of Computer Science Club   September 2019 – June 2020
Bloor Collegiate Institute   *Toronto, ON*

- Organized weekly meetings to go over Canadian Computing Competition problems
- Attracted the interest of **50+** students and successfully retained **60%+** of the people

Projects

Compare2Anime | *Node.js, Socket.IO, Vue, Bulma, Docker*   September 2020 – December 2020

- Developed a full-stack web application using **Axios** to make **HTTP requests** to Jikan API to display information about animes, the frontend is done in **Vue**
- Implemented the messaging feature with **Socket.IO** and a video chat feature using **Twilio API**
- Deployed application using **Docker** and used **Github** as the version control system

Resilient Classroom | *Flutter, Firebase*   April 2020

- A **Flutter** app that's a **Google Classroom clone** for kids with dyslexia
- User authentication and handling authorization is done with **Firebase**
- Provided easy-to-read fonts approved by special needs teacher and gamified reading to encourage learning