

Tahmeed Mostafiz

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Skills

Languages: Java, C++, C, Python, Dart, HTML, CSS, JavaScript, Bash, R, Racket

Frameworks/ Technologies: React, Redux, Flutter, Android Studio, Firebase, Flask, Git, Linux

Projects

RateMyPortfolio

REACT, REDUX, MATERIAL UI, CHARTJS, FIREBASE, NETLIFY

- Created a social platform to track stock prices, view trends, and comment on and rate portfolios of other users. Deployed using **Netlify**: <https://ratemyportfolio.netlify.app/>
- Developed a **responsive** web app using **React Hooks** and **Redux -Thunk** leveraging UI component libraries such as **Material UI** and **ChartJS**
- Retrieved stock pricing and charting data using an external **REST API** to get real-time prices, historical stock data and stock search functionality
- Utilized **Firestore** documents to store stock and user data, **Firebase Authentication** to manage user login and registration, and **Firebase Cloud Functions** to send **real-time** push notifications to users

UWScheduler

ANGULAR, BOOTSTRAP, MATERIAL, FLASK

- Created a web application to optimize scheduling for UW students by generating a conflict-free schedule while prioritizing professor ratings
- Implemented the **Angular** UI elements using **Material/Bootstrap** components and handled user input by leveraging **Reactive Forms**
- Developed **REST APIs** (backend) using **Flask** for parsing the **JSON responses** scraped from various sites
- Improved page load time **by 20s** by developing a **caching** solution for previously scraped data

SurveyTree

FLUTTER, FIREBASE

- Built a gamified cross-platform survey application that can be used by companies to survey and assess their app/services
- Utilized a quick one-tap onboarding process supplemented with a growing plant sprite (denoting the progress) to incentivize users
- Designed an **interactive** UI with an infinite scrolling interaction behavior using both custom-built and Flutter's **Material** widgets
- Utilized **Firebase** to store and retrieve data from **Firestore** collections to manage questions and user responses

Experience

The Tech Academy

Dhaka, Bangladesh

MENTOR

Jul. 2017 - May. 2019

- Built various gaming apps using Processing (visual software sketchbook built on JAVA) and multiple embedded systems using Arduino
- Oversaw lesson planning, student training and project development for the organisation
- Contributed to the building of an autonomous and driver-controlled robot for the Global FIRST Robotics Olympics 2018

Footsteps Foundation

Dhaka, Bangladesh

SENIOR OFFICER

Sept. 2015 - Jan. 2019

- Approached prospective clients, conducted meetings and signed contracts selling water filters for Footsteps
- Leader of the team that won Project Trishna, one of Footsteps' events where water-purifying filters had to be sold to various corporations
- Generated over 50 000 BDT as Lead Organiser of Project Kick For Six (Soccer Tournament) a fundraiser to fund Footsteps' charity events

Education

University of Waterloo

CANDIDATE FOR B.S. IN COMPUTER SCIENCE

- Term Average: 93.8 (Dean's Honors List)
- Admitted with President's Scholarship of Distinction
- Relevant Courses: *Object-Oriented Software Development, Imperative Programming in C, Designing Functional Programs in Racket*

Extracurriculars

Varsity U-19 Soccer Team

TEAM CAPTAIN

- Organized team practices, drills and starting line-ups
- Achievements: Best Defender Award twice, 1st place in three inter-school tournaments