

MAHIR KHANDAKER

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Education

McMaster University Bachelor of Electrical and Biomedical Engineering

Sept 2017 - Apr 2022

- Courses: OOP in C, Data Structures & Algorithms in Java

Skills

Languages: Java, JavaScript, Python, C, C++, SQL, MATLAB
Technologies: Node.js, React.js, Git, MongoDB, HTML, CSS

Professional Experience

Fit For Life

Hamilton, ON

Software Developer Contractor

March 2021 - April 2021

- Built website to showcase restaurant's menu, daily deals and implemented an online ordering section to different delivery platforms which increased online sales by 20% per month
- Built web application's server using Node.js and utilized Git to deploy website on Heroku

Projects

PullUp App

May 2021 - Present

- Collaborating in a group of 3 to develop an Android and IOS app which allows users to rent a parking space or host their own
- Following the standard business practices of the software development life cycle
- Currently building the front-end using React Native
- **Technologies Used:** MERN Stack (comprised of MongoDB, Express.js, React, Node.js)

Portfolio Website

April 2021

- Built a responsive website using React.js to showcase my education, background and recent projects
- Enhanced knowledge in implementing and using JavaScript libraries such as Typed.js and EmailJS
- **Technologies Used:** React.js, JavaScript, HTML, CSS

E-commerce Website

February 2021

- Designed a full-stack e-commerce web application with authentication using Node.js and Express.js
- Deepened my knowledge in asynchronous JavaScript and RESTful routes
- **Technologies Used:** JavaScript, Node.js, Express.js, HTML, CSS

Rehabilitation Android Application

Jan 2020 - Apr 2020

- Designed an Android app to obtain Bluetooth data using multiple sensors to analyze a patient's progress over time
- Recorded patient's range of motion and force exertion on various exercises using a gyroscope, force sensor and an ESP32 microcontroller
- **Technologies Used:** Java, C++, Android Studio, Arduino IDE

COVID-19 Telemedicine Group Initiative

May 2020 - July 2020

- Collaborated in a group of 4 to create a website to assist users in determining their likelihood of having COVID-19 based on their age, gender, location, symptoms, and travel information
- **Technologies Used:** JavaScript, HTML, CSS