MAHIR KHANDAKER

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Education

McMaster University Sept 2017 - Apr 2022
Bachelor of Electrical and Biomedical Engineering

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

Skills

Languages: Java, JavaScript, Python, 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

Portfolio Website
April 2021

- Built UI components of responsive website using React.js to display recent projects
- Enhanced knowledge in implementing and using JavaScript libraries such as Typed.js and EmailJS

E-commerce Website
February 2021

- Designed a full-stack e-commerce web application with authentication using Node.js and Express
- Deepened my knowledge in asynchronous JavaScript and RESTful routes

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

Netflix Ratings Chrome Extension
July 2020

- Utilizing DOM manipulation, the chrome extension allows the user to view the ratings of any Netflix show/movie once they hover over it
- Used the omdb API and multiple JavaScript libraries such as jQuery and p5.js

COVID-19 Telemedicine Group Initiative
May 2020 – July 2020

- Collaborating 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 by implementing a deep-learning neural network using Python (Keras and Pandas)
- Developing the front-end and back-end aspects of the website using HTML APIs , CSS, JavaScript, and PHP to allow users to complete the questionnaire and provide real-time data on daily cases from Ontario, individualized to each public health unit.