Shazil Arif
SOFTWARE ENGINEER

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Education

McMaster University   *Hamilton, Ontario, Canada*
BACHELOR OF ENGINEERING, SOFTWARE ENGINEERING, GPA: 3.7/4.0   *Expected Graduation April 2022*
- **Deans' Honour List Recipient**
- **Relevant Courses**
    – **Software Development (A+)**
    – **Computer Architecture (A+)**
    – **Data Structures and Algorithms (A)**

Skills

Languages   Python, Java, JavaScript, C, C#, Bash, SQL
Frameworks   Node.js, Express, Docker, Heroku, GCP, Spring Boot, Git, Linux/Unix, MongoDB, Firebase

Work Experience

MenloLab Inc   *Hamilton, Ontario, Canada*
FULL STACK DEVELOPER INTERN   *May 2020 - Present*
- Working at a early stage startup developing a cloud platform for using engineering tools
- Developing **microservices with Node.js** and deploying them in **docker** containers

Volunteer Experience

McMaster Muslim Students' Association   *Hamilton, Ontario, Canada*
FULL STACK WEB DEVELOPER   *July 2019 - Sep 2019*
- Independently developed the front and back end for a **content management system**
- Website is used regularly to post announcements and events for **600+** users to view
- Integrated several **APIs** including Google Maps API, Filestack API and Google Cloud Storage
- Built an intuitive UI with a focus on responsiveness for mobile and web clients
- Set up a **CI/CD pipeline** using Git and Travis CI to easily release new features and bug fixes
- **Technology stack:** Node.js, Express, Firebase, Bootstrap, jQuery

Dufferin Peel Catholic District School Board   *Hamilton, Ontario, Canada*
ANDROID DEVELOPER   *February 2019*
- Developed a proprietary android app to **assist high school students with indoor navigation**
- Showcased at **DP Innovator's Summit 2019**,awaiting approval for use by **1000+** students
- Built a real-time indoor navigation system that detects a user's location by calculating distances from a user's phone to nearby Wi-Fi access points and finding the closest one

Projects

Pathify   *github.com/shazil-arif/Pathify*
COURSE PROJECT   *April 2020*
- Developed a **REST API** for finding the shortest path that visits a given set of destinations in order
- Followed a **scrum methodology** and developed the application iteratively in sprints
- **Technologies:** React, Java, Spring Boot, Maven, Heroku, JUnit

AirWise   *devpost.com/software/airwise*
ENGHACK 2019   *July 2019*
- Developed a **real-time air quality monitoring system** using sensors and a web interface
- Built a website to retrieve data logged by the sensors, update it in real-time and provide future insights
- Presented to a panel of judges and **placed 2nd overall out of over 100 teams**