

# SYED AAMIR TAHIR

## Contact

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## Highlight of Qualifications

- 3<sup>rd</sup> Year **Software Engineering Co-op Student** at **McMaster University**
- Proficient in Python, Java, Node.js, React, SQL, Arduino, C, C++
- Skilled with **algorithms, web development, web scraping, IoT, CAD, DevOps, and Adobe Creative Suite**
- Previously worked at **IBM**, and **Deloitte**, with exceptional evaluations

## Education

### B. Eng, Software Engineering Co-op

September 2017 – April 2021

McMaster University, Hamilton ON

## Experience

### IBM

May 2019 – August 2019

DevOps Engineer Intern – **Given highest possible recommendation**

- Proposed, conceptualized, and developed **Pythios**, a **containerized parallel execution testing automation framework**
- Pythios will eventually control testing on IBM products with thousands of employees
- Pythios is based on **Selenium Grid** and **Python** with strong focus on **documentation, robustness, cross-browser support**, and **easy deployment** and **scalability**

### Deloitte

May 2018 – August 2018

Software Engineer Intern – **Given highest possible overall evaluation**

- Especially selected from all hires into a new team combining emerging technologies
- Worked as **full stack developer** using **Node.js, Python, MongoDB, Angular, Azure**, and **IBM Watson**
- Worked directly under senior manager and held responsibility for technical aspects of demos

## Projects

### Kyrie – Garden Monitoring System

- WiFi Garden sensors to collect data and automatically water plants
- **ESP8266** Board programmed with **Arduino** sends data to **AWS DynamoDB** through **MQTT** protocol
- Web app built with **React.js** and **Node.js** uses **AWS** to **auth, receive data, and send commands**

### Therapio

- **Python** twitter bot using **MongoDB, Node.js, Twitter API**, and **NLTK** for sentimentality analysis

### Coffee House

- Git style collaboration for music tracks created with **Node.js, MongoDB, HTML, CSS**, and **Python**

### BlockVote

- Blockchain voting web app created using **React, Node.js**, and **Firebase (Auth, Firestore, ML Kit)**

### Employee Database

- **Java** application with GUI using **relational databases** to store employee data
- Focused on integrating **efficient algorithms and structures** and effective version control

### MealPal Reserver

- script to automatically login and book meals on MealPal every day with **Python** and **Selenium**

Find more projects on GitHub. References available upon request