



SYED AAMIR TAHIR

Contact

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Highlight of Qualifications

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

Experience

IBM

May 2019 – August 2019

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

- Proposed, conceptualized, and developed **Pythios**, a **containerized parallel execution testing automation solution**
- 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 Digital

May 2018 – August 2019

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 WiFi Garden Monitoring

- 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 Created at Hack The 6ix

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

Coffee House Created at Hack The North 2017

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

BlockVote Created at Hack The North 2019

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

Employee Database GUI

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

Education

B. Eng, Software Engineering Co-op

September 2017 – April 2021

McMaster University, Hamilton ON