

# **Yusuf Shaik**

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## **Software Engineering Student**

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**Skills:** Python | Java | C++ | C | JavaScript | SQL Server | Relational Databases | Power BI | Data Structures & Algorithms | JSON | HTML | CSS | Git | Object Oriented Programming | Dynamic Programming | PHP | VBA | VB | VBS | Bootstrap | Flask | Heroku | Assembly | Customer Service | Linux Shell | Communication | Bash | Perl | web scraping | Leadership

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## **Education:**

### **University of Ontario Institute of Technology**

Sep 2017 to Present

- Bachelor of Engineering (Hons), Software Engineering
  - GPA: 3.99 on a 4.3 Scale
  - President's List
  - Schneider Electric Award (Given to the top two engineering students at UOIT)

## **Work Experience:**

### **Ontario Power Generation | Outage Optimization**

Jan 2020 to Present

#### **Software Engineering Intern**

- Developed an application to track parts required to repair nuclear reactors, saving the organization \$60k a year
- Collaborated with analytics team, migrating reporting services to corporate branch, saving over 50 work hours / week for the organization.
- Created a tool to automatically create a customized complex Gantt chart for any schedule, based on P6 scheduling software
- Migrated legacy applications to modern, scalable web applications
- Collaborated with managers, data analysts, and project managers to develop programs, and well documented scripts that process data, identifying problem areas to ensure earliest possible finish date for an outage, saving millions of dollars as a team

#### **Nedkor Travel**

Mar 2018 to Nov 2019

- Developed and maintained a website that allows users to view information about the company, and book flights online

#### **Trillium Tutoring**

Sep 2019 to Dec 2019

- Created and executed custom lesson plans for grade 12 students in advanced functions, increasing grades from 60% to 80%

## **Projects:**

### **Internet Over SMS | Hack the North (Team of 4):**

Sep 2019

- Python, Flutter, APIs, Graph API, Node.js, Google Cloud Platform (GCP), Bash
- Developed an app that allows users to access the internet without an internet connection
- Integrated functionality from multiple APIs using Python to access real-time information, allowing users to have access to Facebook, twitter, weather, directions, translations with multi-language autodetect, and news all without access to the internet
- Developed the backend for deep links allowing users to browse seamlessly through chrome without internet access

### **Asteroid Hub | NASA Toronto Hackathon Winner**

Oct 2020

- Python, Flask, NASA API, HTML, CSS, JavaScript
- Engineered a web-based visualization tool that draws orbital diagrams for asteroids that could potentially impact earth
- Developed a subscription-based service that will text users when a hazardous asteroid is discovered.

### **Covid-19 Tracker | Personal**

Apr 2020

- Python, Matplotlib, Covid-19 Rest API, Tweepy, SQL
- Developed a series of python scripts to automatically gather and store daily Covid-19 statistics, creating various graphs to depict the data, and automatically notify around users of the statistics using email and twitter

### **Waste Search Engine | 2019 Shopify Challenge**

Jan 2019

- HTML, CSS, JavaScript, JSON, AJAX
- Designed and developed a web application that allowed users to search and save proper waste disposal methods for specific items in order to decrease pollution

### **Google Assistant Weather Application | Personal**

Aug 2019

- Created a google assistant application to deliver “feels like” weather based on location

### **Laser-Tripped Alarm | University Project**

Nov to Dec 2019

- Created and programmed a laser tripped alarm system from scratch using C++, an Arduino board, and various circuit components, causing any motion across a laser to set off an alarm. Awarded with an honorable mention