

MALHAR SHAH

Third Year Computer Engineering Student
Seeking Software Engineering Internship

WORK EXPERIENCE

MeshMD Inc *May 2020 – August 2020*
Software Quality Assurance Intern

- Designed and executed over **500 test cases**, procedures and test plans for **Web Application Testing**
- Automated testing using **Java**, **Selenium**, and **TestNG**
- Tracked **workflow issues** and **resolved over 200 defects** through systematic software testing
- Maintained a bug log and **expedited the SDLC by 15%** through prioritization of the defects/bugs

Husky Energy *May 2019 – August 2019*
Information Technology Intern

- Investigated and troubleshooted over **300 software and hardware incidents** experienced by company end-users
- Provided technical assistance in **Windows** and **Linux/Unix systems** to over **350 supported users**
- Imaged over **200 desktop computers**, and laptops to the latest work environment and policies

SOFTWARE PROJECTS

Fraudulent Transaction Detection Web Application 
Python + HTML + CSS + Bootstrap

- Implemented algorithm via **scikit-learn library** to **detect** potentially fraudulent transactions with an **accuracy of over 85%** using a public dataset of user's previous banking history
- Stored all transactions in a **MongoDB database** and collected incoming verified transactions to improve the ML model

Vaccine Distribution Prioritization Tool 
Python + JavaScript

- Processed patient's health data utilizing **Pandas** and **Sklearn** to sort patient's priority to receive vaccination based on their risk levels with an **accuracy of 86%**
- Set up and deployed a live database via **Dropbase API** and set up communication with patients via **Vonage API**

Personal Voice Chat-Bot Android Application 
Java + JavaScript + XML

- Developed an **automated verbal communication** application that engages in conversations to help users improve their mood & reduce their feeling of isolation
- Implemented user **database** via **Firestore**, language and communication with the chatbot via **DialogFlow**, and communication between different tools via Avaya's API

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 github.com/mshah0722

EDUCATION

University of Toronto *2018 - 2022*
B.A.Sc. in Computer Engineering

- Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Computer Networks, AI Fundamentals, Software Design, Programming Fundamentals, Computer Organization

SKILLS

Languages

C++/C, Python, Java, JavaScript, HTML, CSS

Frameworks/ Databases

Flask, React, Bootstrap, MongoDB, SQL

Technology/Tools

Android Studio, GDB, Git, Docker, Selenium, TestNG

AWARDS

Hack the North 2020  *2021*
Vonage API Challenge

DeltaHacks VI  *2020*
Best Finance Hack

Hack the North 2019  *2019*
SurveyMonkey's API Challenge

Engineering Faculty *2018*
Scholarship – \$5000

LEADERSHIP

University of Toronto Machine Intelligence Student Team / 2019 – 2020
External Associate

Volunteer Engineering Experience Program | 2018 – 2019
Project Management Team Member

INTERESTS

- Playing + Watching Soccer & Basketball
- Playing Video Games