

MALHAR SHAH

Third Year Computer Engineering Student
Expected Graduation: April 2022

WORK EXPERIENCE

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

- 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 | Information Technology Intern
May 2019 – August 2019

- 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 Tool 
Python + HTML + CSS + Bootstrap

- Implemented tool via **scikit-learn library** to **detect** potentially fraudulent transactions with **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 ML model

Hand Gesture Recognition Tool 
Python + JavaScript

- Created and trained a Machine Learning model utilizing the **ImageAI library** to recognize user hand gestures with an **accuracy of 98%** and automatically submit survey responses
- Led front-end development using **JavaScript, HTML and CSS** to collect the responses on localhost

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

- Developed an **automated verbal communication** application that utilizes Machine Learning to engage 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

- 2020** **DeltaHacks VI**  Best Finance Hack
- 2019** **Hack the North**  SurveyMonkey's API Challenge
- 2018** **Edward S. Roger Sr.** Scholarship – \$3000
- 2018** **Engineering Faculty** Scholarship – \$2000

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