

Dhruv Bhavsar

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EDUCATION

Computer Science Co-op

McMaster University, B.A.Sc.

Expected Graduation: April 2022

CGPA: 3.90/4.0

- McMaster Artificial Intelligence Society (Project Team)
- Autonomous Robotics and Vehicle Innovation McMaster (Software Team)
- Relevant Coursework: Introduction to Computational Thinking, Computer Science Practice and Experience

TECHNICAL SKILLS

Languages	Java, Python, HTML, CSS, C, JavaScript, Haskell, Bash
Tools	Eclipse, Brackets, Atom, TensorFlow, ML5.js, P5.js, Microsoft Azure, Git
Other	CPR-C, Standard First Aid, Bronze Cross (Course to Lifeguard), Debugging Code

PROJECTS

BlinkBuddy

January 2019

DeltaHacks 5

- Developed an iOS application that detects blinking using 3-D face mapping from ARKit allowing ALS patients to perform tasks without the need of assistance
- Implemented commands such as sending emergency text messages using Twilio's SMS API and open or close doors modelled by an Arduino connected to a MQTT protocol

Ependyo

November 2018

Hack Western 5

- Led the team to build a web application using HTML, CSS and JavaScript that combines several financial tools under one convenient location to help build a stronger financial future
- Implemented Microsoft Azure's Chatbot in our website which allows users to learn about financial terms more effectively
- Exhibited leadership by effectively assigning and managing tasks to 3 teammates

Swift Check

September 2018

Hack the North

- Created a web application using P5.js and ML5.js that identifies items that do not have a barcode in grocery stores in 36 hours
- Implemented a checkout component using the ML5.js pre-trained machine learning model to identify fruits via the live video feed using P5.js thus eliminating manual entry

VOLUNTEER EXPERIENCE

Founder and President

October 2017 – March 2018

Programming Club at Lester B. Pearson CI – Scarborough, ON

- Taught Java to over 15 students eager to get a head start on computer science
- Explained fundamental algorithms to further give club members a deeper understanding in Java
- Implemented high-impact teaching strategies which resulted in an increase in test scores

Sales Associate

June 2016 – September 2016

Sunnybrook Hospital – Toronto, ON

- Handled daily financial transactions through the cash register
- Provided excellent customer service by maintaining a welcoming and customer focused approach
- Recorded the transactions made in the shift and deposited the amount into the Gift Shop Account

Office Assistant

June 2015 – August 2015

Rathika Sitsabaiesan Member of Parliament Constituency Office – Scarborough, ON

- Assisted in preparing extensive casework thus expediting the process of meeting citizen needs
- Improved overall citizen satisfaction through providing comprehensive information and assistance over the phone
- Created support letters that were sent to embassies and citizens regarding their problems