Aditya Thakkar

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Relevant Skills

Coursework	Languages	Technologies
Data Structures/Algorithms, Statistics, Programming, Logic Design	Python, R, Java, C/C++, HTML/CSS, JavaScript, MATLAB/Simulink, SQL	Tensorflow, Keras, Docker, Scikit Learn, Pandas, Node.js, MongoDB

Education

McMaster University   Expected May 2019
- Bachelor of Engineering (Co-op) – Electrical Engineering Major | Minor in Biomedical Engineering
- Awards: Dean's Honour List, McMaster Entrance Award

Stanford University – Coursera   June 2017
- Machine Learning

Experience

Information Systems Developer Co-op   Sept – Dec 2017
Manulife Financial   Waterloo, ON
- Implementing several UI features to Manulife.ca to improve user experience (JavaScript, HTML, CSS and SQL)
- Developing new templates for Adobe Experience Manager for easy creation of new business content

Research Student   May – Aug 2016
Hospital for Sick Children (SickKids)   Toronto, ON
- Designed and implemented a robotic etching system for cranial remodelling using Solidworks
- Developed mathematical model to simulate and control entire system using MATLAB/Simulink
- Used Arduino to control stepper/ DC motors and interface with the control computer using C
- *Project Final Presentation*

Quality Assurance Analyst Co-op   May - Aug 2015
PointClickCare   Mississauga, ON
- Write code for the tax letters functionalities on the PCC web application using JavaScript, HTML, CSS and Java
- Wrote automated test scripts to thoroughly and robustly test web application scenarios in Java
- Used SQL to access and modify databases

Relevant Projects

Handwritten Number Recognition | *Github Code*
- Classify handwritten digits using neural networks – resulted in 97% accuracy

Personal Website | *adityathakkar.github.io*
- Website coded using HTML/CSS and Bootstrap to make responsive pages

Web Presence Polarity Analyzer | Ongoing
- Using Google Search API, Twitter API and more to gather data, and perform natural language processing to determine overall sentiment of a search query

Leadership

President - Bioengineering At McMaster Society (BEAMS)   Mar 2016 – April 2017
- Lead a team of 15 executives to double student attendance at all events from past years