

## SKILLS

**LANGUAGES:** Python, C++, C, JavaScript, Bash, HTML, CSS, R, Octave

**TECHNOLOGIES:** Tensorflow, Pandas, Numpy, Scikit-learn, Matplotlib, Spark, OpenCV, React.js, Node.js, Keras, Pytorch, Flask, AWS, Django, Google Cloud, Azure

## RELEVANT EXPERIENCE

### Freelance Software Developer

Apr. 2020 - Current

- Worked closely with customers to collect requirement specifications for **commercial product development**.
- Implemented **Machine Learning algorithms** like **Logistic Regression**, **K Nearest Neighbours** along with **computer vision** algorithms to automate **inventory management**, increasing efficiency by ~ **300%**.
- Integrated a **backend server** with a web client using **react.js** to automate **end-to-end workflow process**.

## PROJECTS

### Connec-ted | Node.js, Express.js, Twilio

Mar. 2020

- Developed a SMS-enabled **chatbot** that sends directions, news **without the need for an internet connection**.
- Combined Twilio's API with **Google Maps** and **News** to provide data.
- **Winner of the People's Choice Award** at **WinHacks**, University of Windsor with 400+ participants

### Ardor | Python, OpenCV, Django, Google Cloud

Feb. 2020

- Developed a web application using Django and Google Cloud's Vision API to give feedback and suggestions to movies and songs by capturing emotions using sentiment analysis.
- Placed in the Top 10 out of 500+ participants and 100+ teams at Hack The Valley, University of Toronto.

### Convey | HTML5, CSS3, JavaScript, jQuery

Jan. 2020

- Built a web application for the physically challenged enabling them to consume information from mediums which they otherwise may not be able to.
- Converts Speech to Sign Language for the deaf and Text to Speech for the blind using the WebSpeech API.

### Safe Crowds | Scikit-learn, Pandas, OpenCV

Apr. 2020

- Developed a program that checks social distancing by identifying persons using the object detection model, YOLOv3.
- Analysed Violations to provide real-time hotspots by creating social fences.
- Used Machine Learning Algorithms like K-Means Clustering to classify danger zones in public areas.

## ACHIEVEMENTS

**Certificate of Competency in Artificial Intelligence** · *NVIDIA Deep Learning Institute*

Dec. 2019

**President's Scholarship of Distinction** · *University of Waterloo*

Sept. 2019

## EDUCATION

### University of Waterloo

Sept. 2019 - Current

Candidate for Bachelor's of Computer Science

Faculty Average: 89.4% | Term Dean's Honours List (×3)