

## 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

## EXPERIENCE

### Freelance Software Developer

April 2020 - Present

- Worked closely with customers to collect 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

March 2020

- Developed a SMS-enabled chatbot that generates directions, news in the absence of an internet connection.
- Integrated Twilio's API with Google Maps and News to obtain data.
- Winner of the People's Choice Award at WinHacks, University of Windsor with 400+ participants

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

February 2020

- Built a web application that dynamically generates media recommendations based on emotions captured in real time and interpreted 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

January 2020

- Built a web application for the physically challenged enabling them to consume information from mediums which they otherwise may not be able to.
- Used the WebSpeech API to convert speech to sign language for the deaf, text to speech for the blind.

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

April 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

December 2019

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

September 2019

## EDUCATION

### University of Waterloo

September 2019 - Present

Candidate for Bachelor's of Computer Science

Faculty Average: 89.4% | Term Distinction (x3)