# SHRIRAM HOLLA

2B COMPUTER SCIENCE

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## 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)