SHRIRAM HOLLA

2A COMPUTER SCIENCE

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SKILLS

LANGUAGES: Python, C++, C, JavaScript, R, HTML, CSS, Bash
TECHNOLOGIES: OpenCV, Pandas, Numpy, Scikit-learn, Seaborn, Spark, Tensorflow, Keras, Node.js, AWS, Google Cloud APIs, Flask

RELEVANT EXPERIENCE

Software Developer Intern, *OptM Solutions*   Apr. 2020 - May 2020
- Created "AutoNET", an automated AI-as-a-Service that provides end to end Annotation, Training, Validation and Detection of custom objects.
- Used AutoNET to perform Face Mask Detection and achieved a 95% success rate.
- Tech Stack: Python, Flask, OpenCV, Tensorflow, Keras, Pandas

PROJECTS

Safe Crowds | Scikit-learn, Pandas, OpenCV, YOLOv3   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.

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

Convey | HTML5, CSS3, JavaScript, jQuery   Aug. 2019
- 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.

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.

ACHIEVEMENTS

Certificate of Competency in Artificial Intelligence · *NVIDIA Deep Learning Institute*   Dec. 2019
- Awarded for passing the online course "Getting Started with Artificial Intelligence on Jetson Nano".
- Collected own data and trained Deep Learning AI models to distinguish between certain gestures/objects.

President's Scholarship of Distinction · *University of Waterloo*
Awarded scholarship of $2000 dollars for excellent academic performance.

EDUCATION

University of Waterloo   Sept. 2019 - Current
Candidate for Bachelor's of Computer Science
Faculty Average: 89.5% | Dean's Honours List (x2)