





RAGHAV SABOO

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TECHNICAL SKILLS

LANGUAGES: C/C++, Python, Java, Javascript, Bash, R, HTML, CSS, Racket.

TECHNOLOGIES: Tensorflow, Keras, Scikit-learn, Django, OpenCV, NodeJS, ReactJS, ExpressJS, Bootstrap, Google Cloud, Azure, Pandas, Numpy, Matplotlib, Git.

PROJECTS

Safe Crowds | *Python, OpenCV, YoloV3 Darknet*

APR-MAY 2020

- Developed an application to gauge the followance of social distancing norms through live CCTV footage
- Integrated object-detection algorithms from YoloV3 darknet with OpenCV to detect when people come into close vicinity of each other
- Used facial-recognition algorithms to send alerts as needed using an existing database of faces

Connect-Ted | *NodeJS, Google Cloud, Twilio, News Api*

MAR 2020

- Built a SMS based texting-bot 'Ted' that furnishes users with essential information such as directions and news headlines without an active internet connection
- Constructed an Express server to integrate Twilio's messaging api with Google Cloud & News Api to process and relay information
- Won the Peoples' Choice Award at WinHacks 2020 with over 400 participants

Ardour | *Python, OpenCV, Django, Google Cloud*

DEC 2019

- Developed a web application to generate media recommendations by executing sentiment analysis on emotions captured whenever media is played on the device
- Adjudged amongst Top 10 at HackTheValley 4 among 100+ teams and over 500 participants

Coronah | *Python, OpenCV, Keras*

DEC 2019

- Trained and developed a neural network using Keras and OpenCV to detect coughing gestures and identify probable afflicted individuals

EDUCATION

University of Waterloo | *Year 2*

SEP 2019 - PRESENT

- Candidate for Bachelor of Computer Science
- Faculty Average - 92.77%
- Awarded the Computer Science International Student Upper-Year Scholarship and the President's Scholarship of Distinction
- Awarded Term Distinction for 3 consecutive terms