<u>Sprint 2 – A Gesture Based Tool for Sterile Browsing of Radiology Images</u>

Team ID: PNT2022TMID53060

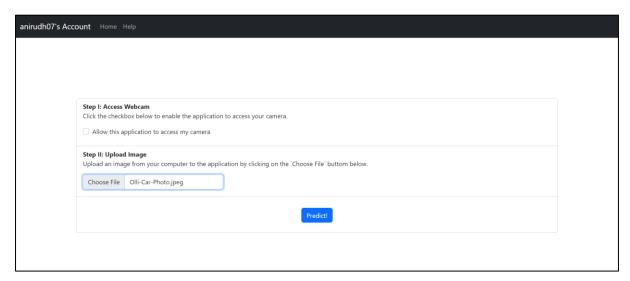
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Code: Updated on GitHub in the Sprint-1 folder under Project Development Phase.

Description of USN and Screenshots:

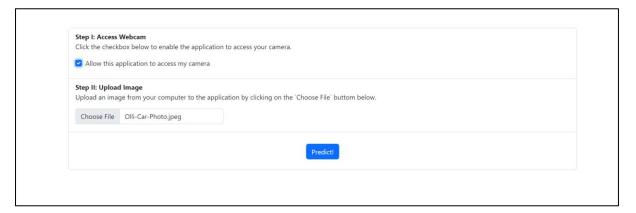
USN-4:

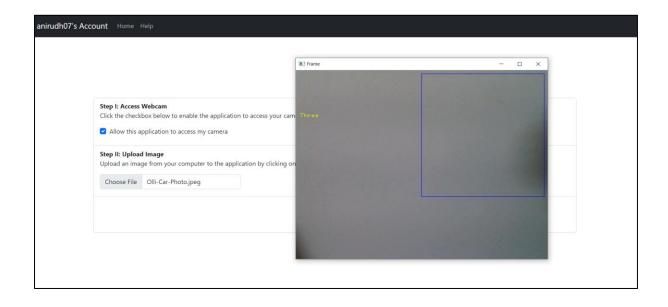
As a user, I can upload an image of my hand that can be manipulated according to the classified gestures.



USN-5:

As a user, I can access my webcam for gesture classification.





USN-6:

As a user, I can view my dashboard to see the classified gesture and corresponding change to the uploaded application.



USN-7:

As a user, I need a Deep Learning model that can recognize hand gestures with a low error.

Deep Learning Model:

- A convolutional neural network was deployed for gesture classification
- The CNN has 6 Hidden Layers:
 - Two sets of 2D convolution layers and max pooling layers
 - Flatten Layer
 - Dense Layer
- Image Data Generators were used to augment images for training and testing