

Sprint 4 – A Gesture Based Tool for Sterile Browsing of Radiology Images

Team ID: PNT2022TMID53060

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Code: Updated on GitHub in the Sprint-4 folder under Project Development Phase.

Description of USN and Screenshots:


USN-12:

As a user, I can launch the application and upload images of hands for gesture recognition.

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A Gesture Based Tool for Sterile Browsing of Radiology Images



Humans are able to recognize body and sign language easily. This is possible due to the combination of vision and synaptic interactions that were formed along brain development. In order to replicate this skill in computers, some problems need to be solved: how to separate objects of interest in images and which image capture technology and classification technique are more appropriate, among others.

In this project Gesture based Desktop automation, first the model is trained pre trained on the images of different hand gestures, such as a showing numbers with fingers as 1,2,3 and 4. This model uses the integrated webcam to capture the video frame. The image of the gesture captured in the video frame is compared with the Pre-trained model and the gesture is identified. If the gesture predicts is 1 then images is blurred; 2 image is resized; 3 image is rotated etc.

Menu

Help

Gesture Prediction

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Welcome!

Hi anirudh07! Weclome back to the application!

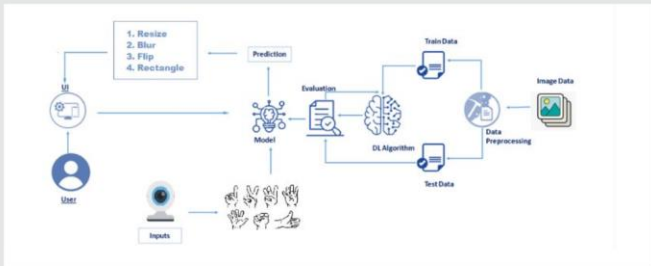
Number of accesses to the application(All Time): 24

Latest Session: 19/11/2022 07:38:21

Get to know how to use the application

Technical Architecture

Learn how different parts of our application interact!



Anirudh Anand

anirudh07's Account Home Help

Step I: Access Webcam

Click the checkbox below to enable the application to access your camera.

☒ Allow this application to access my camera

Step II: Upload Image

Upload an image from your computer to the application by clicking on the 'Choose File' button below.

Choose File

medical.png

Predict!

USN-13:

As a user, I can get the predicted results from the model deployed in the cloud.

