Flow Model for Face Detection

Training:

Data Collection

( dataset)

Training/making it to learn and save the model based on the needed accuracy

Getting pre-trained model MobileNetv2 and build the model

Data Preprocessing

1.Resizing

2.Normalisation

3. Converting to array

Application Phase:

Capture face image as video

Read the frames

Convert to grayscale and detect the face using pretrained model

Close the frame

If ‘q’

Make the system to display “ wearing mask”

Make Prediction

Resize,convert to array,normalise and expand the dimension

Make the system to display and say “person is not wearing mask”

Crop only face