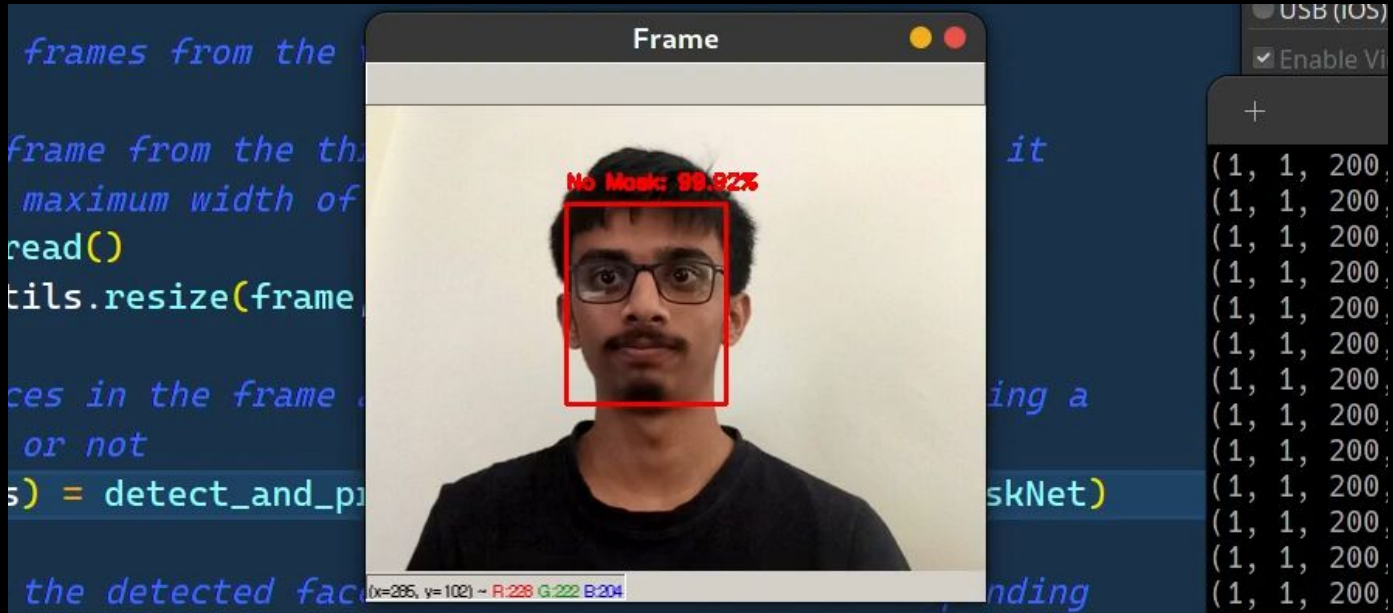


Prajwal Datir 111803131

AI Mini Project

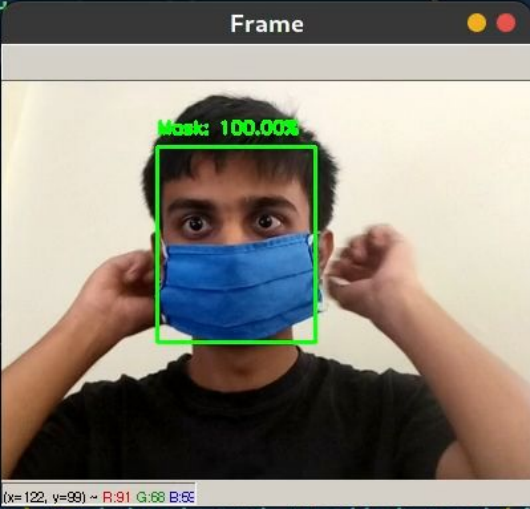
— Live Covid-19 Face Mask
Detection

With the Mask Off



With the Mask On

```
85 # initialize the video stream
86 print("[INFO] s
87 vs = VideoStrea
88
89 # loop over the
90 while True:
91     # grab the
92     # to have a
93     frame = vs.
94     frame = imu
95
96     # detect fa
97     # face mask
98     (locs, preds) = detect_and_predict_mask(frame, faceNet, maskN
99
```



Mask: 100.00%

(x=122, y=99) ~ R:91 G:68 B:68

DATASET



HOW IT WORKS?

- Video Stream
- Detect Face Using Face Recognition Model
- Predict whether you are wearing mask or not.
- Show it using OpenCV

—

HOW CODE WORKS?

- Train Mask Detector using Dataset of Mask & NoMask images
- Import Face Recognition model
- Predict Face from the video stream images
- Predict Output from face image returned by FR model
- Show it using OpenCV

Libraries Used:

- Tensorflow
- Keras API
- OpenCV
- Sklearn
- - Numpy
- Os

THANK YOU :)

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111803131 Prajjwal Datir