

[] import cv2 import face_recognition as fr import numpy as np import os vid=cv2.VideoCapture(0) from keras.models import load_model model=load_model(r'C:\Users\adars\model.h5') process_this_frame=True status="Unknown" face_locations = [] face_encodings = [] face_names = [] while(True): ret,frame=vid.read() # font font = cv2.FONT_HERSHEY_SIMPLEX # org org = (50, 50)# fontScale fontScale = 1 # Blue color in BGR color = (255, 0, 0)# Line thickness of 2 px thickness = 2

frame=cv2.flip(frame,1)
if process_this_frame:

print(face_locations)

nr = int(r * 2)

top*=4
right*=4
bottom*=4
left*=4

else:

break

cv2.destroyAllWindows()

vid.release()

[]

In [1]: import cv2

 $small_frame=cv2.resize(frame,(0,0),fx=0.25,fy=0.25)$

cv2.rectangle(frame, (left-30, top-60), (right+30, bottom+30), (5,225,0),2)

#cv2.rectangle(frame, (left-30, bottom - 5), (right+30, bottom+30), (5,225,0), cv2.FILLED)

cv2.putText(frame, status, org, font, fontScale, color, thickness, cv2.LINE_AA)

69 cv2.putText(frame, status, org, font, fontScale, color, thickness, cv2.LINE_AA)
70 cv2.imshow("Frame", frame)
---> 71 cv2.imshow("face", faceimg)
72 if cv2.waitKey(1) & 0xFF==ord('q'):

 $\#cv2.putText(frame,name,(left+6,bottom+20),cv2.FONT_HERSHEY_DUPLEX,1.0,(255,255,255),1,cv2.FILLED)$

Traceback (most recent call last)

face_locations=fr.face_locations(rbg_small_frame)

rbg_small_frame=small_frame[:,:,::-1]

for(top, right, bottom, left) in (face locations):

faceimg = frame[left:right, top:bottom]

pred=model.predict(np.expand dims(resframe,axis=0))

resframe=cv2.resize(faceimg, (96,96))

process_this_frame=not process_this_frame

r = max(bottom, left) / 2
centerx = top + bottom / 2
centery = right + left / 2
nx = int(centerx - r)
ny = int(centery - r)

cv2.imshow("face", faceimg)

if np.argmax(pred) == 1:
 status='Real'

status='Fake'

cv2.imshow("Frame", frame)
cv2.imshow("face", faceimg)

if cv2.waitKey(1) & OxFF==ord('q'):

<ipython-input-1-57d80cb6344c> in <module>

NameError: name 'faceimg' is not defined

from keras.models import load model

model=load model(r'C:\Users\adars\model.h5')

font = cv2.FONT_HERSHEY_SIMPLEX

break

 ${\bf import} \ {\tt face_recognition} \ {\bf as} \ {\tt fr}$

import numpy as np

vid=cv2.VideoCapture(0)

process_this_frame=True

ret,frame=vid.read()

status="Unknown"
face_locations = []
face_encodings = []
face_names = []
while(True):

font

org = (50, 50)

Blue color in BGR color = (255, 0, 0)

Line thickness of 2 px

frame=cv2.flip(frame,1)
if process this frame:

print(face locations)

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resframe=cv2.resize(faceimg, (96,96))

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if np.argmax(pred) ==1:
 status='Real'

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cv2.imshow("Frame", frame)

vid.release()

cv2.destroyAllWindows()

#cv2.imshow("face",faceimg)
if cv2.waitKey(1) & 0xFF==ord('q'):

fontScale
fontScale = 1

thickness = 2

import os

