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|  | <https://github.com/adarsh1021/facedetection>  <https://towardsdatascience.com/face-detection-in-2-minutes-using-opencv-python-90f89d7c0f81>  import cv2 |
|  | # Load the cascade |
|  | face\_cascade = cv2.CascadeClassifier('haarcascade\_frontalface\_default.xml') |
|  |  |
|  | # To capture video from webcam. |
|  | cap = cv2.VideoCapture(0) |
|  | # To use a video file as input |
|  | # cap = cv2.VideoCapture('filename.mp4') |
|  |  |
|  | while True: |
|  | # Read the frame |
|  | \_, img = cap.read() |
|  | # Convert to grayscale |
|  | gray = cv2.cvtColor(img, cv2.COLOR\_BGR2GRAY) |
|  | # Detect the faces |
|  | faces = face\_cascade.detectMultiScale(gray, 1.1, 4) |
|  | # Draw the rectangle around each face |
|  | for (x, y, w, h) in faces: |
|  | cv2.rectangle(img, (x, y), (x+w, y+h), (255, 0, 0), 2) |
|  | # Display |
|  | cv2.imshow('img', img) |
|  | # Stop if escape key is pressed |
|  | k = cv2.waitKey(30) & 0xff |
|  | if k==27: |
|  | Break |
|  | # Release the VideoCapture object |
|  | cap.release() |