

# Lab\_09\_21\_27\_19\_DS\_

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M.Tech: Data Science

```
[1]: import cv2

# Load the cascade
# face_cascade = cv2.CascadeClassifier('haarcascade_frontalface_default.xml')

face_cascade = cv2.CascadeClassifier(cv2.data.haarcascades + 
                                   'haarcascade_frontalface_default.xml')

# Read the input image
img = cv2.imread(r"E:\mtech photos\Khel Khud\IMG_4290.JPG")
img = cv2.resize(img, (960, 540))

# Convert into grayscale
gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)

# Detect faces
faces = face_cascade.detectMultiScale(gray, 1.1, 4)

# Draw rectangle around the faces
for (x, y, w, h) in faces:
    cv2.rectangle(img, (x, y), (x+w, y+h), (255, 0, 0), 2)

[ ]: # Display the output
cv2.imshow('img', img)
cv2.waitKey()
```

Original



Face Detection

