ASSIGNMENT 9

Develop a python code to detect any object using Haar cascade classifier.

(I took object as car)

import cv2

car\_classifier = cv2.CascadeClassifier('haarcascade\_car.xml')

video = cv2.VideoCapture('car.jpg')

while True:

check,frame=video.read()

frame=cv2.resize(frame,(600,400))

gray=cv2.cvtColor(frame, cv2.COLOR\_BGR2GRAY)

cars=car\_classifier.detectMultiScale(gray,1.3,2)

print(cars)

for (x,y,w,h) in cars:

cv2.rectangle(frame, (x,y), (x+w,y+h), (255,0,255), 2)

cv2.imshow('Cars', frame)

Key=cv2.waitKey(1)

if Key==ord('q'):

#release the camera

video.release()

#destroy all windows

cv2.destroyAllWindows()

break

