

ASSIGNMENT 6 by Sanskar Vidyarthi

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

Code (To detect car)–

```
import cv2

cascade_src = 'cars.xml'

video_src = 'video1.mp4'

cap = cv2.VideoCapture(video_src)

car_cascade = cv2.CascadeClassifier(cascade_src)

while True:

    ret, img = cap.read()

    if (type(img) == type(None)):

        break

    gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)

    cars = car_cascade.detectMultiScale(gray, 1.1, 2)

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

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

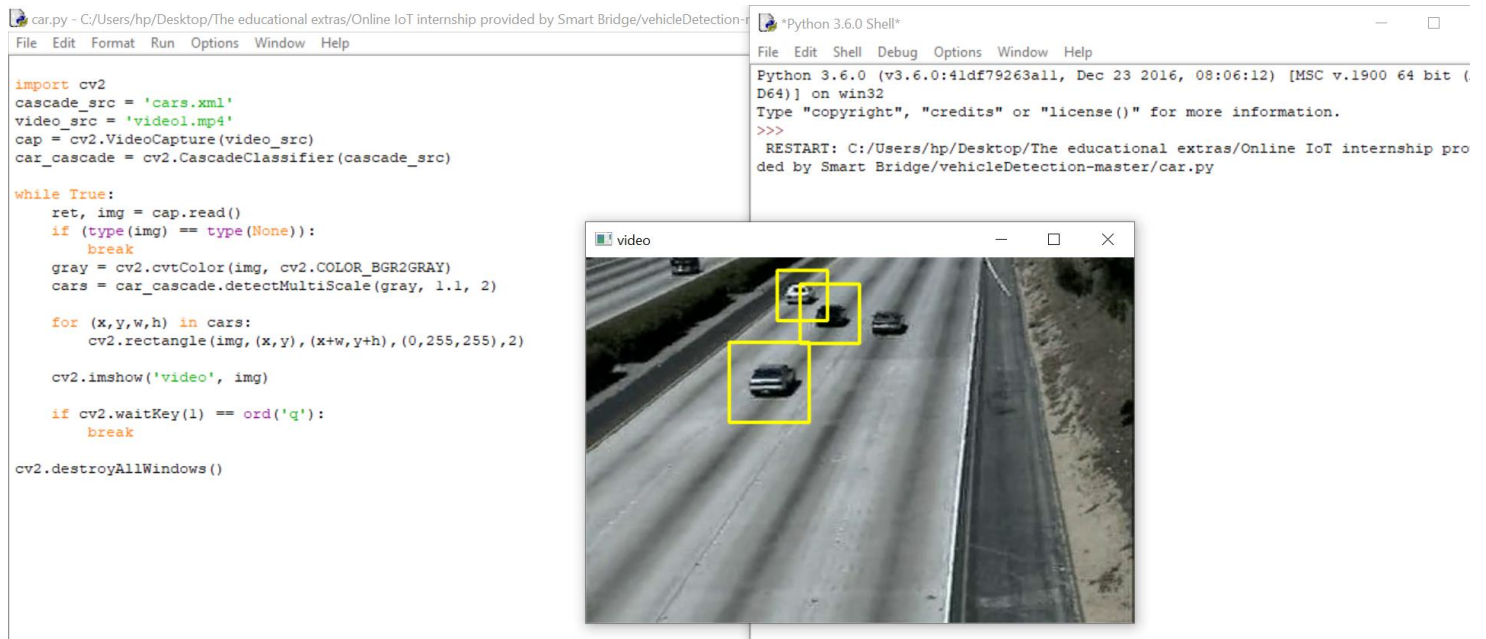
    cv2.imshow('video', img)

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

        break

cv2.destroyAllWindows()
```

Screenshots



Working video link

<https://drive.google.com/file/d/1-K4tUGRVEXc86t580eQ9baxqOx8-FgBn/view?usp=sharing>