Assignment 6

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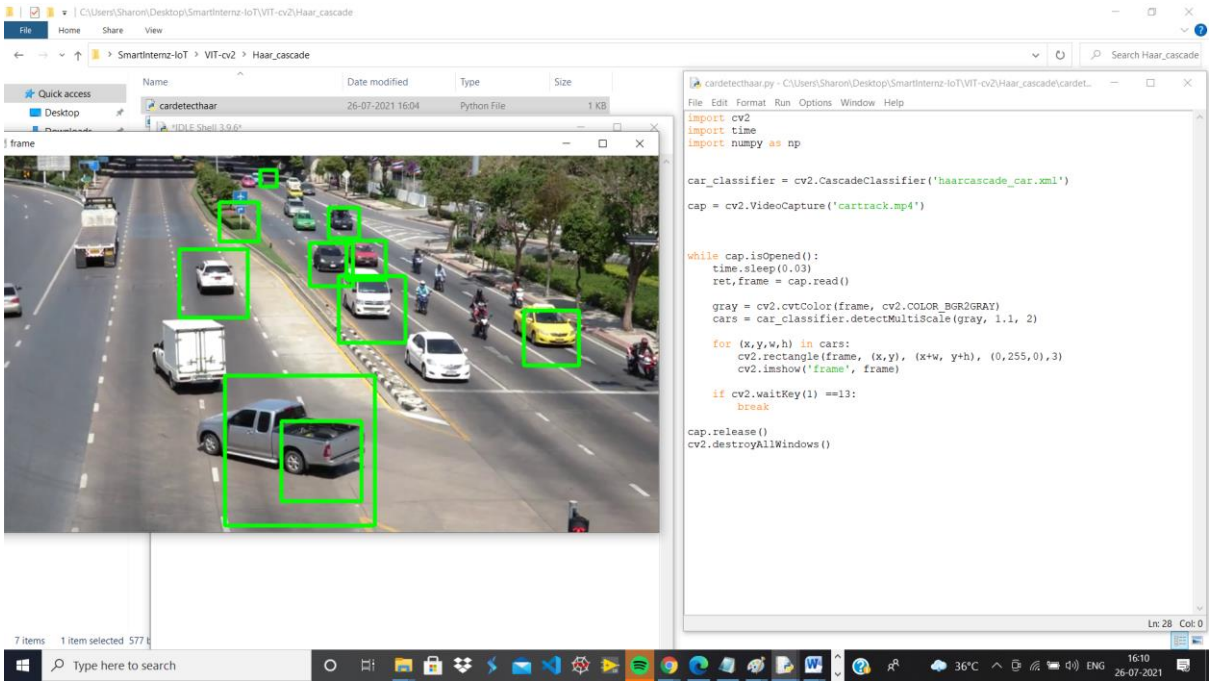

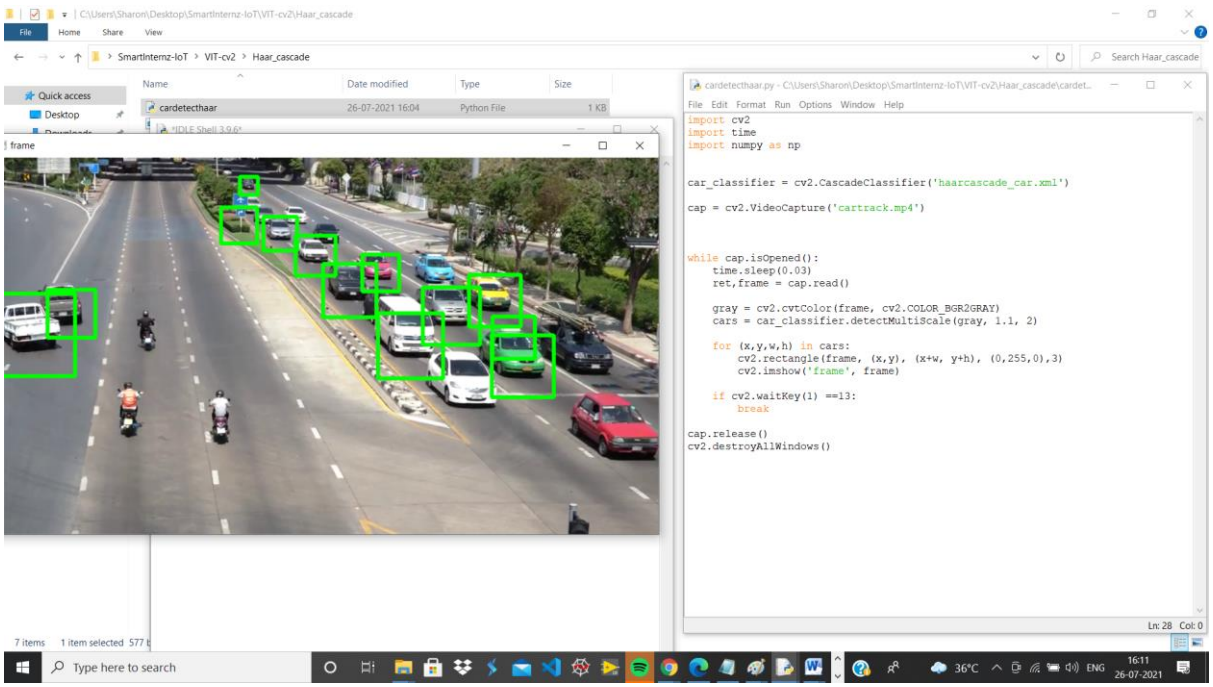

CODE:

```
import cv2

import time
```

```
import numpy as np



car_classifier = cv2.CascadeClassifier('haarcascade_car.xml')

cap = cv2.VideoCapture('cartrack.mp4')




while cap.isOpened():
    time.sleep(0.03)
    ret,frame = cap.read()

    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
    cars = car_classifier.detectMultiScale(gray, 1.1, 2)

    for (x,y,w,h) in cars:
        cv2.rectangle(frame, (x,y), (x+w, y+h), (0,255,0),3)
        cv2.imshow('frame', frame)

    if cv2.waitKey(1) ==13:
        break

cap.release()
cv2.destroyAllWindows()
```