import cv2

frommatplotlib import pyplot as plt

# Opening image

img = cv2.imread("image.jpg")

# OpenCV opens images as BRG

# but we want it as RGB We'll

# also need a grayscale version

img\_gray = cv2.cvtColor(img, cv2.COLOR\_BGR2GRAY)

img\_rgb = cv2.cvtColor(img, cv2.COLOR\_BGR2RGB)

# Use minSize because for not

# bothering with extra-small

# dots that would look like STOP signs

stop\_data = cv2.CascadeClassifier('stop\_data.xml')

found = stop\_data.detectMultiScale(img\_gray,

minSize =(20, 20))

# Don't do anything if there's

# no sign

amount\_found = len(found)

ifamount\_found != 0:

# There may be more than one

# sign in the image

for (x, y, width, height) in found:

# We draw a green rectangle around

# every recognized sign

cv2.rectangle(img\_rgb, (x, y),

(x + height, y + width),

(0, 255, 0), 5)

# Creates the environment of

# the picture and shows it

plt.subplot(1, 1, 1)

plt.imshow(img\_rgb)

plt.show()