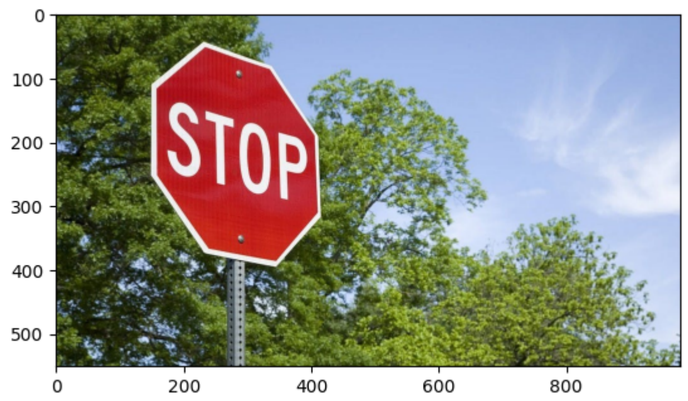
In [1]:
```
import cv2
from matplotlib import pyplot as plt
```

In [2]:
```
# Open the image
img = cv2.imread("image.jpg")
```

In [3]:
```
img_gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)
img_rgb = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
```

In [4]:
```
# Creating the environment of the picture and shows it
plt.subplot(1, 1, 1)
plt.imshow(img_rgb)
plt.show()
```



In [6]:
```
stop_data = cv2.CascadeClassifier('stop_data.xml')
```

In [7]:
```
found = stop_data.detectMultiScale(img_gray,
                                   minSize =(20, 20))
```

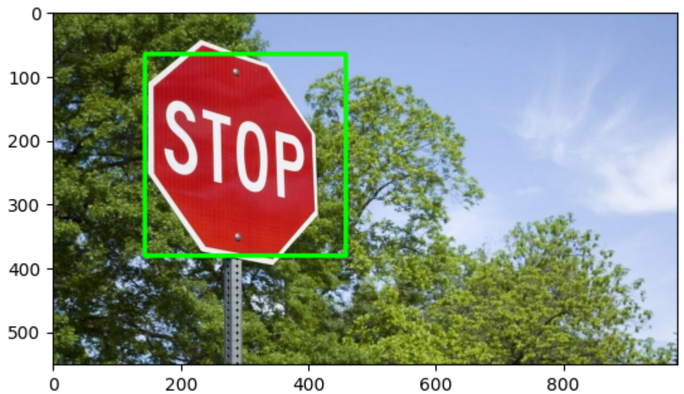
In [8]:
```
amount_found = len(found)
```

In [16]:
```
if amount_found != 0:
    print (amount_found);
```

```
1
```

In [18]:
```
for (x, y, width, height) in found:
    cv2.rectangle(img_rgb, (x, y),
                  (x + height, y + width),
                  (0, 255, 0), 5)
```

In [19]:
```
plt.subplot(1, 1, 1)
plt.imshow(img_rgb)
plt.show()
```



In [ ]: