

## computer-vision-tasks-2

September 8, 2024

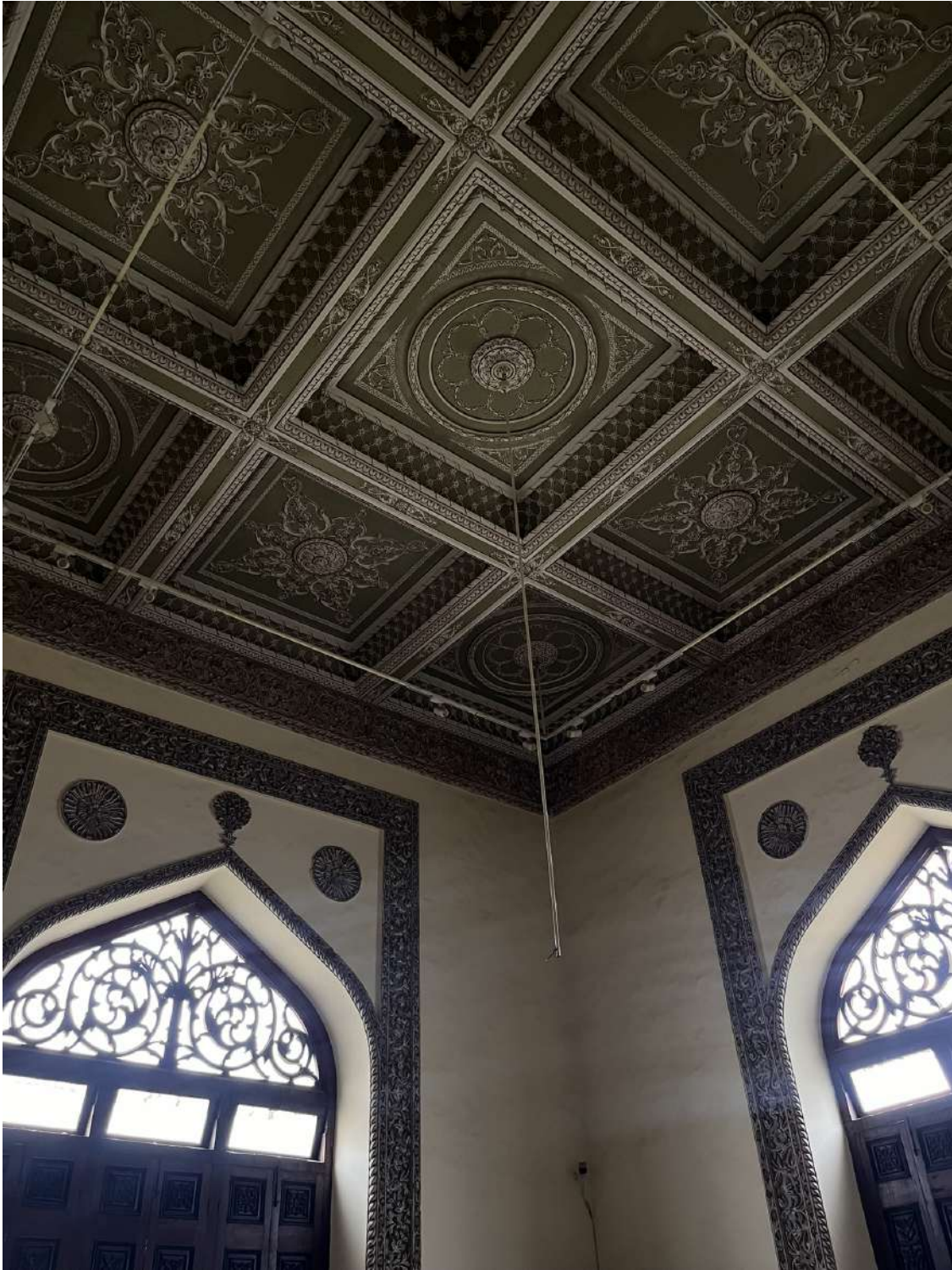
```
[5]: !pip install opencv-python
```

Requirement already satisfied: opencv-python in /usr/local/lib/python3.10/dist-packages (4.10.0.84)

Requirement already satisfied: numpy>=1.21.2 in /usr/local/lib/python3.10/dist-packages (from opencv-python) (1.26.4)

```
[6]: import cv2
from google.colab.patches import cv2_imshow
import matplotlib.pyplot as plt
import numpy as np
```

```
[15]: img = cv2.imread("/content/18FF92AB-58ED-4AB2-9F14-F3E49E13C174_1_102_o.jpeg")
cv2_imshow(img)
```

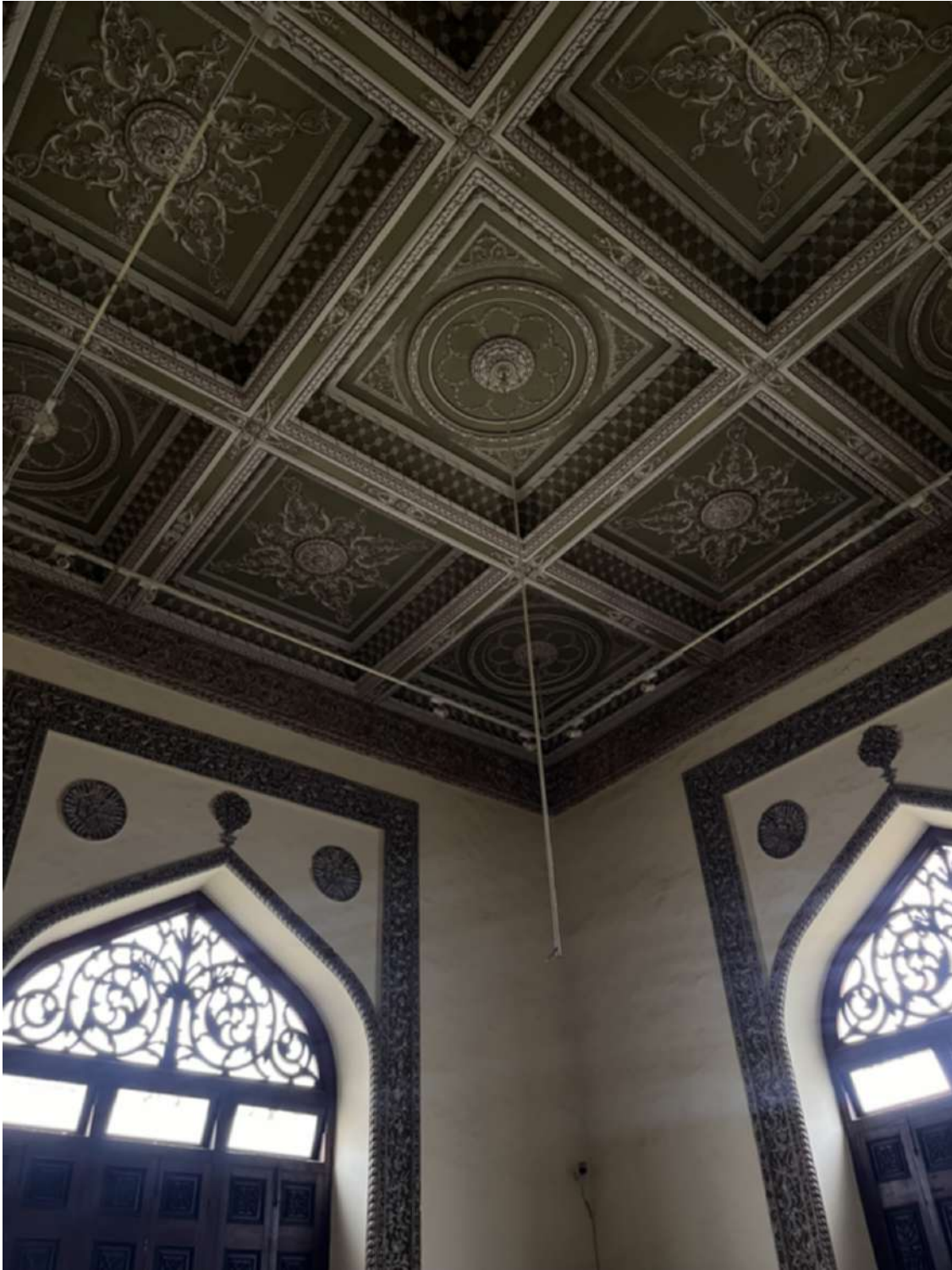


```
[16]: blurred_img = cv2.blur(img, (8,8))  
      cv2_imshow(blurred_img)
```

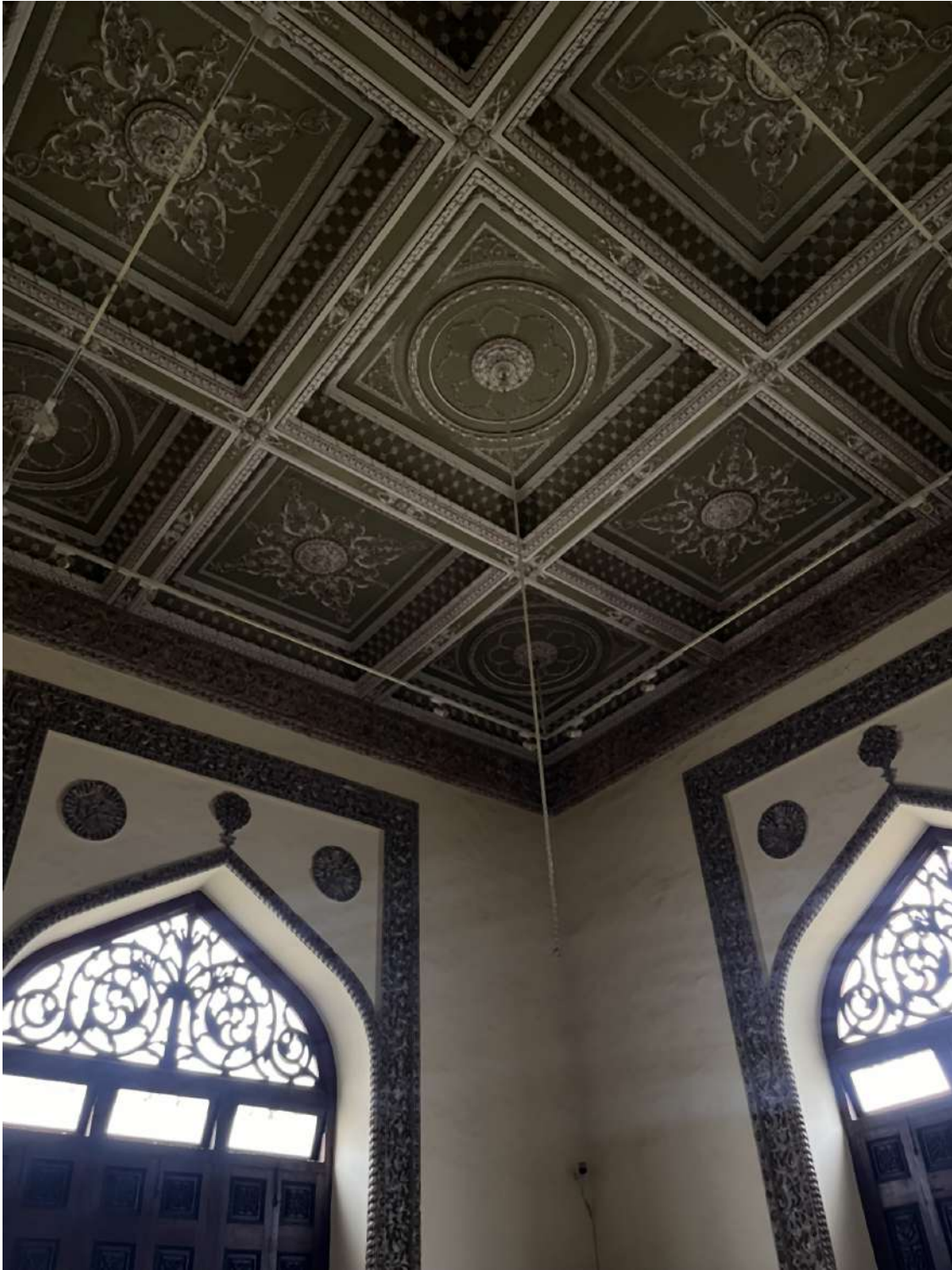


```
[17]: average_blur = cv2.blur(img, (5,5))  
      cv2_imshow(average_blur)
```



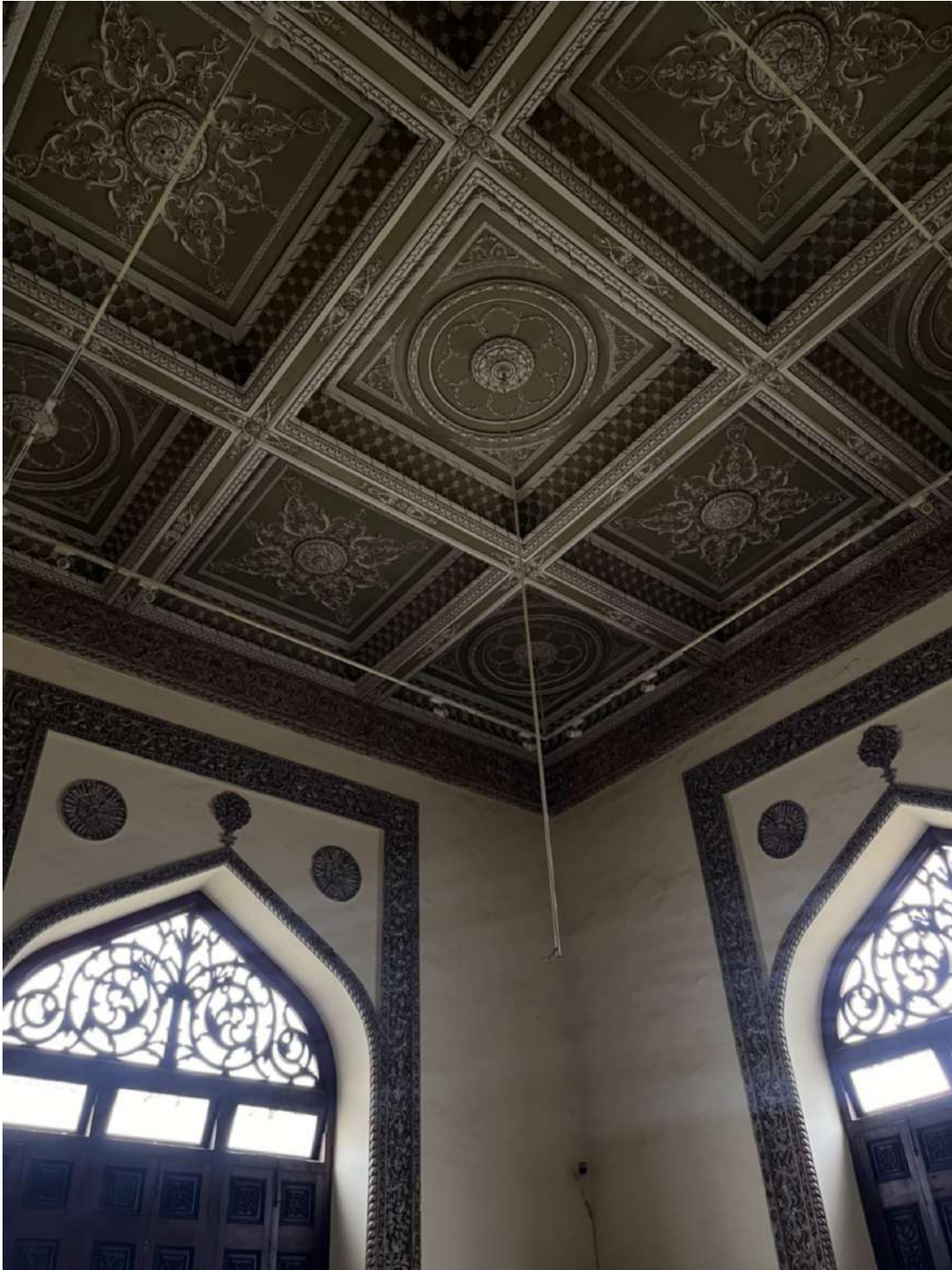


```
[18]: median_blur = cv2.medianBlur(img, 5)
      cv2.imshow('median_blur')
```



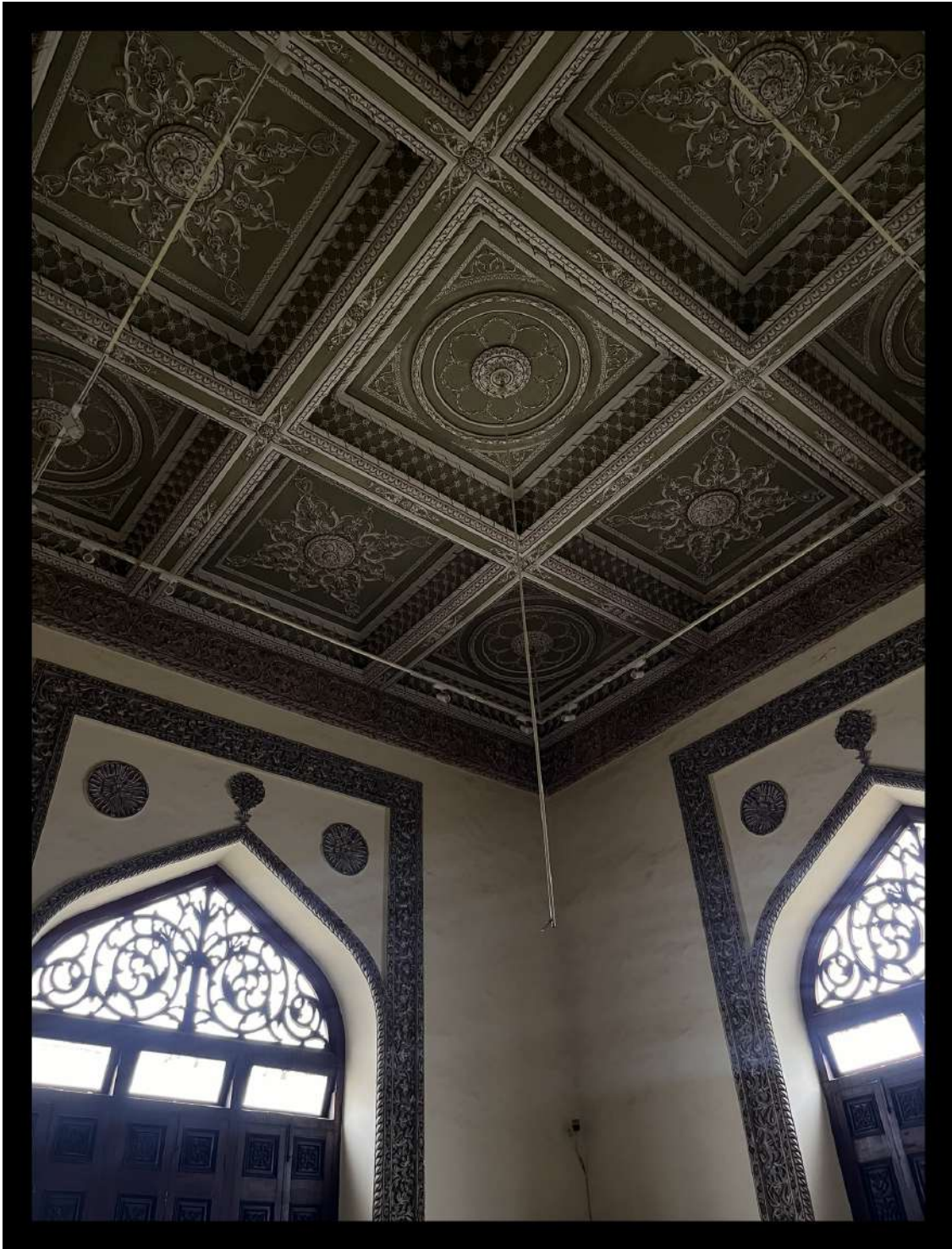
```
[19]: gaussian_blur = cv2.GaussianBlur(img, (5,5), 0)  
      cv2_imshow(gaussian_blur)
```





```
[25]: img_bordered1 = cv2.copyMakeBorder(src=img, top=50, bottom=50, left=50,
right=50, borderType=cv2.BORDER_CONSTANT)
```

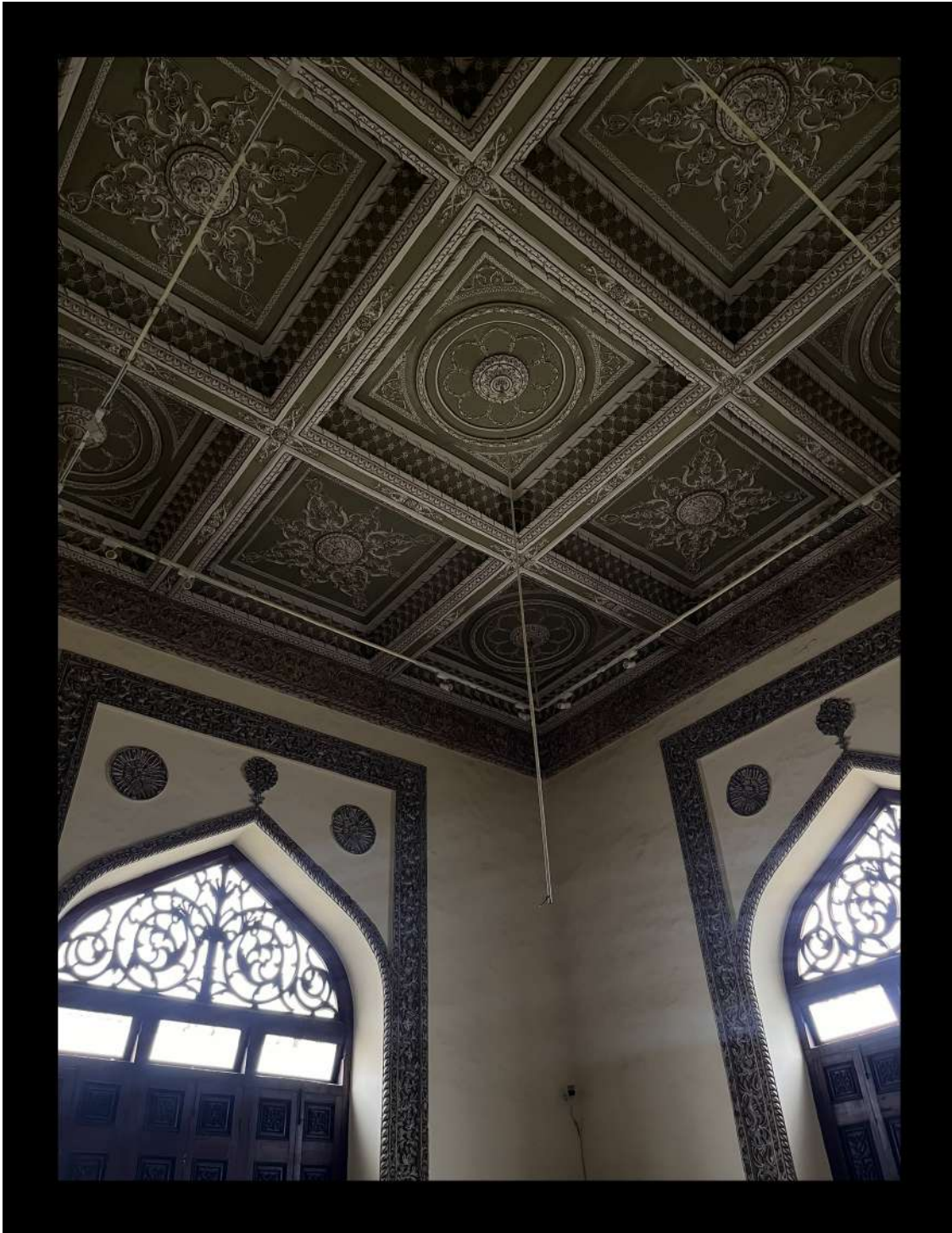
```
cv2_imshow(img_bordered1)
```





```
[26]: img_bordered2 = cv2.copyMakeBorder(src=img, top=100, bottom=100, left=100,
right=100, borderType=cv2.BORDER_CONSTANT)

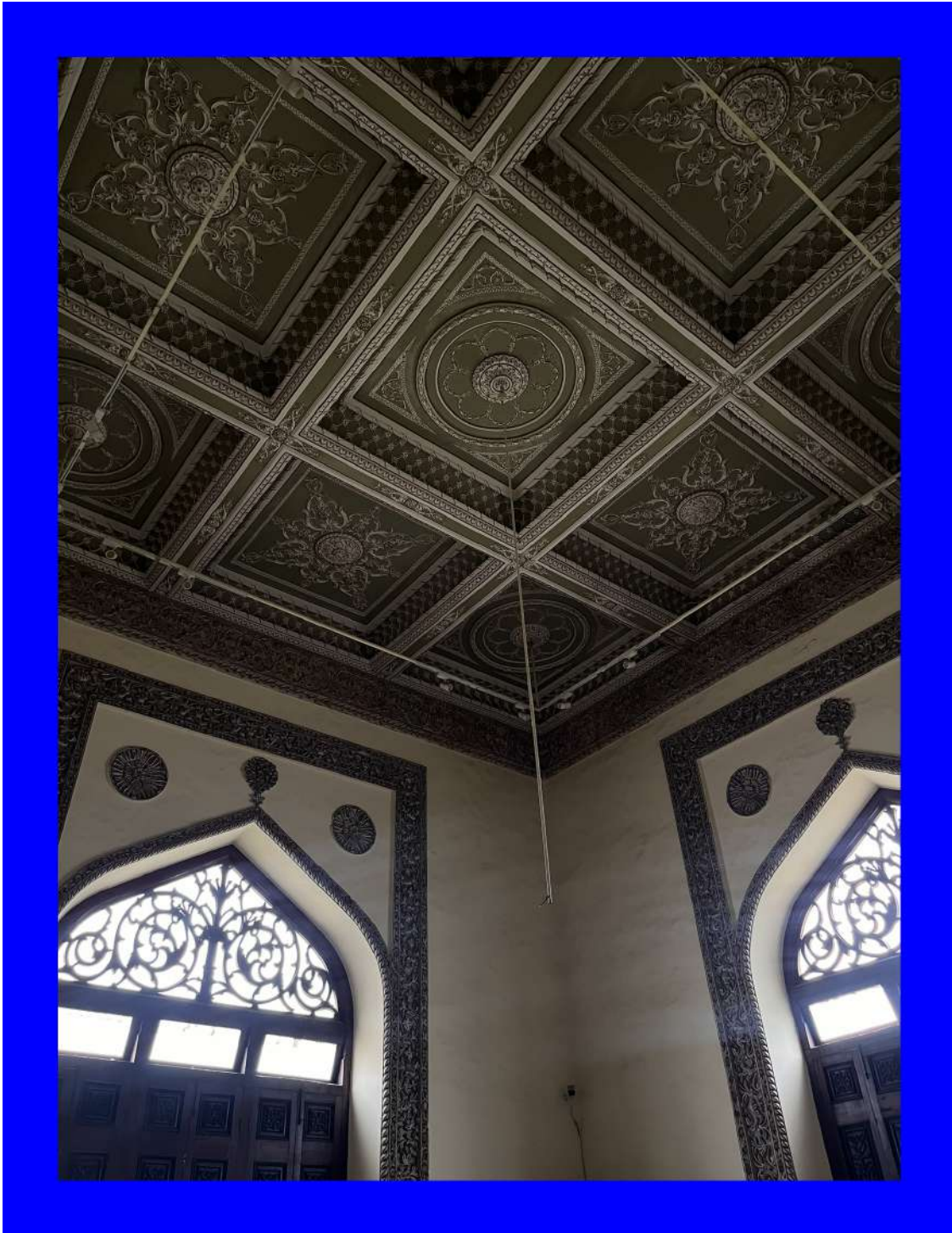
cv2_imshow(img_bordered2)
```





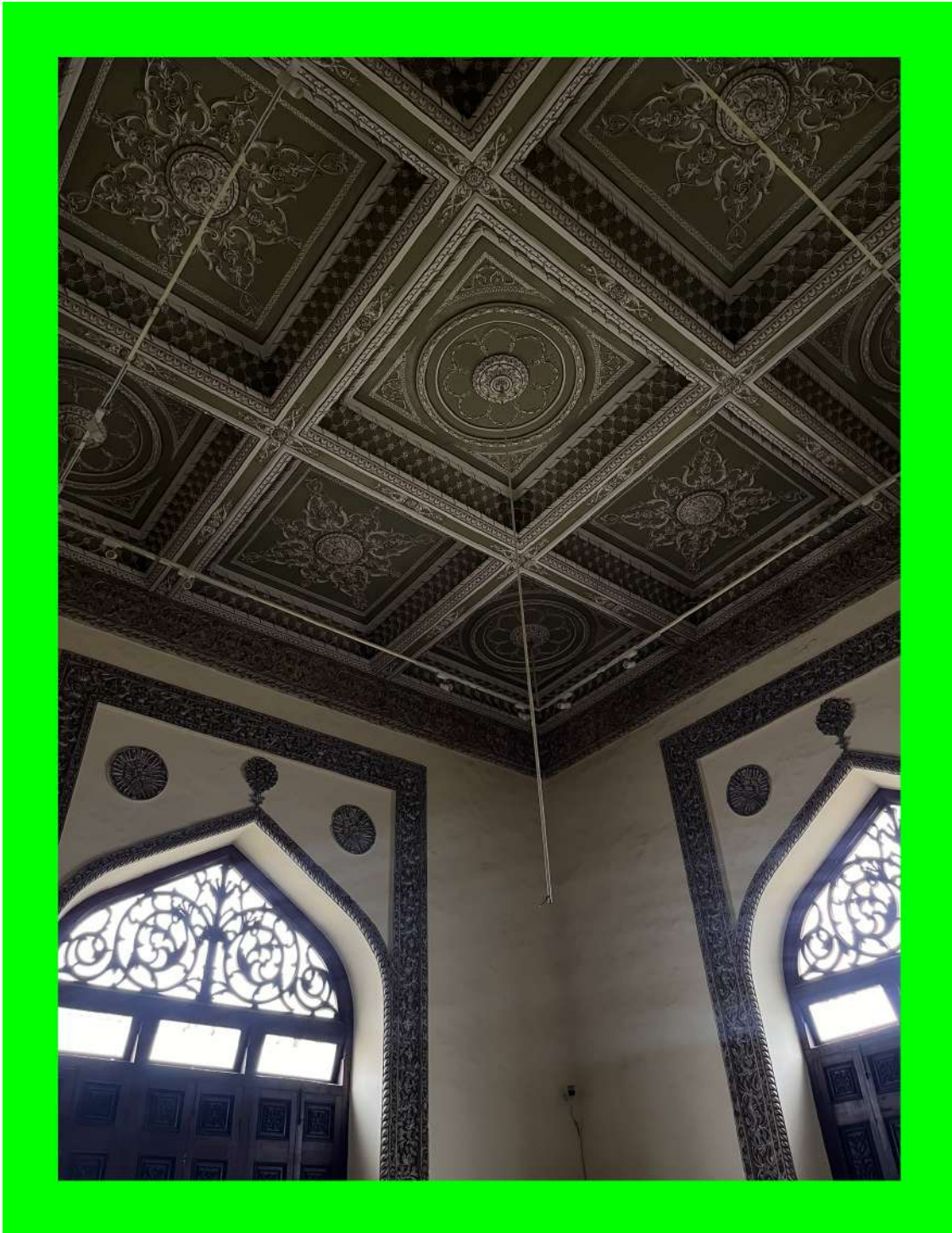
```
[27]: img_bordered3 = cv2.copyMakeBorder(src=img, top=100, bottom=100, left=100,
right=100, borderType=cv2.BORDER_CONSTANT, value=[255,0,0])

cv2_imshow(img_bordered3)
```



```
[28]: img_bordered4 = cv2.copyMakeBorder(src=img, top=100, bottom=100, left=100,
right=100, borderType=cv2.BORDER_CONSTANT, value=[0,255,0])

cv2_imshow(img_bordered4)
```





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