Text

Description automatically generated with low confidence

import cv2

import matplotlib.pyplot as plt

import numpy as np

src=cv2.imread("milady.jpg")

scale\_percent = 60

width = int(src.shape[1] \* scale\_percent / 100)

height = int(src.shape[0] \* scale\_percent / 100)

dim = (width, height)

img = cv2.resize(src, dim, interpolation = cv2.INTER\_AREA)

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

eq = cv2.equalizeHist(grayimg)

plt.subplot(221), plt.imshow(grayimg), plt.title("original")

plt.xticks([]), plt.yticks([])

plt.subplot(222), plt.imshow(cv2.cvtColor(eq, cv2.COLOR\_BGR2RGB)),

plt.title("equalized")

plt.xticks([]), plt.yticks([])

plt.subplot(223), plt.hist(grayimg),

plt.title("ori histogram")

plt.xticks([]), plt.yticks([])

plt.subplot(224), plt.hist(eq),

plt.title("equalized histogram")

plt.xticks([]), plt.yticks([])

plt.show()