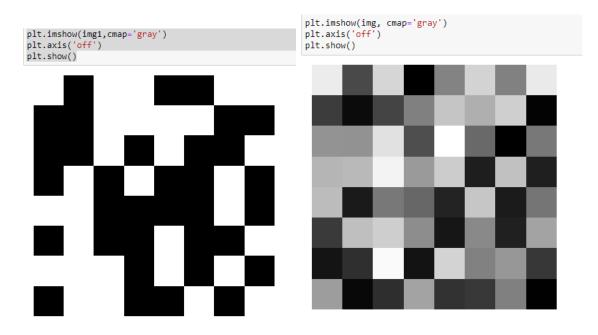
EXERCISE-1

COMPUTER VISION



Aslam_Image=Image.open(Aslam.jpg)
Aslam_Image.size
(1692, 2340)

plt.imshow(Aslam_Image)
plt.axis('off')
plt.show()



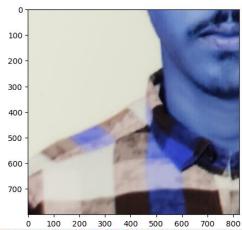
b,g,r = cv2.split(image)

i]: plt.imshow(b,cmap='Blues')
 plt.axis('off')
 plt.show()



import cv2
image = cv2.imread('Aslam.jpg')
image.shape
(2340, 1692, 3)

crop=image[1000:1800,75:900]
plt.imshow(crop)
<matplotlib.image.AxesImage at 0x1bf52172050>



plt.imshow(g,cmap='Greens')
plt.axis('off')
plt.show()



plt.imshow(g,cmap='Reds')
plt.axis('off')
plt.show()



resize=cv2.resize(image,(500,1000))

plt.imshow(resize)

<matplotlib.image.AxesImage at 0x1bf5522

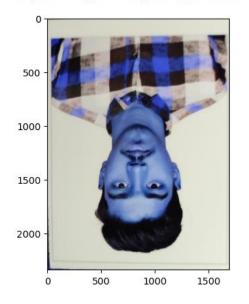
0
200
400

0
200
400

rotate=cv2.rotate(image,cv2.ROTATE_180)

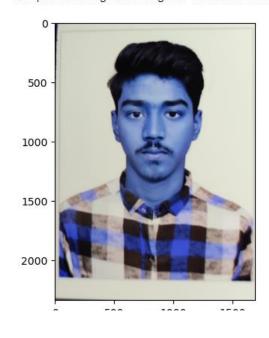
plt.imshow(rotate)

<matplotlib.image.AxesImage at 0x1bf551b86d0>



plt.imshow(cv2.flip(image,1))

: <matplotlib.image.AxesImage at 0x1bf55276510>



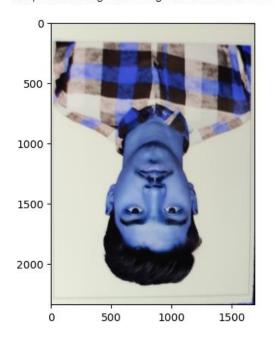
Mohamed Aslam K 21BAD051

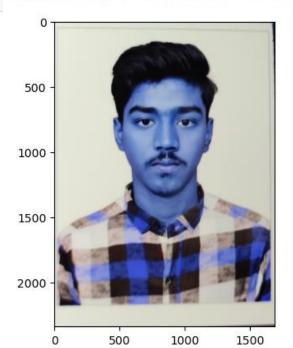
image = cv2.imread('Aslam.jpg')
plt.imshow(image)

<matplotlib.image.AxesImage at 0x1bf552ee450>

plt.imshow(cv2.flip(image,0))

<matplotlib.image.AxesImage at 0x1bf55286450>





c = 1 - bgr_image_norm[:, :, 2]
m = 1 - bgr_image_norm[:, :, 1]
y = 1 - bgr_image_norm[:, :, 0]

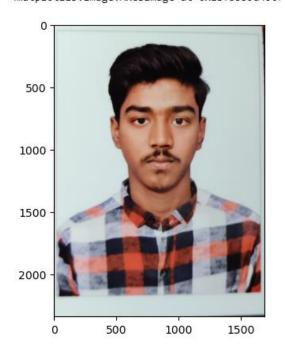
c = (c * 100).astype(np.uint8)
m = (m * 100).astype(np.uint8)
y = (y * 100).astype(np.uint8)
k = np.min([c, m, y], axis=0)

plt.imshow(cmy_image)

rgb_image = cv2.cvtColor(image, cv2.COLOR_BGR2RGB)

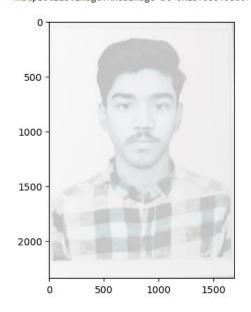
plt.imshow(rgb_image)

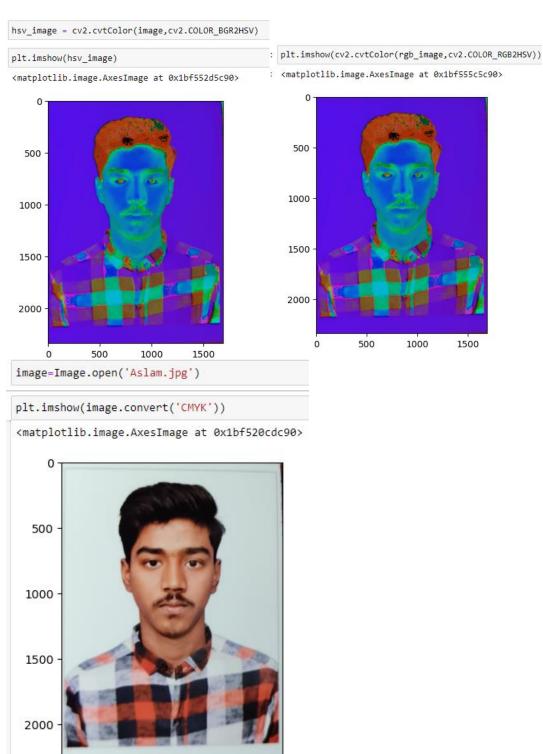
<matplotlib.image.AxesImage at 0x1bf5539a490>



cmy_image = cv2.merge([c, m, y,k])

<matplotlib.image.AxesImage at 0x1bf553f9bd0>





500

1000

1500