import cv2

import numpy as np

import matplotlib.pyplot as plt

image = cv2.imread("C:\\Users\\DELL\\Downloads\\97851f8076c6b29ed2cbb446dead2eb6.jpg")

image = cv2.cvtColor(image, cv2.COLOR\_BGR2RGB)

pixel\_values = image.reshape((-1, 3))

pixel\_values = np.float32(pixel\_values)

print(pixel\_values.shape)

criteria = (cv2.TERM\_CRITERIA\_EPS + cv2.TERM\_CRITERIA\_MAX\_ITER, 100, 0.2)

k = 64

\_, labels, (centers) = cv2.kmeans(pixel\_values, k, None, criteria, 10, cv2.KMEANS\_RANDOM\_CENTERS)

centers = np.uint8(centers)

labels = labels.flatten()

segmented\_image = centers[labels.flatten()]

segmented\_image = segmented\_image.reshape(image.shape)

**plt.imshow(segmented\_image)**

**plt.show()**