import cv2

import numpy as np

import matplotlib.pyplot as plt

from google.colab import files

print("Upload source image (from which to crop):")

uploaded = files.upload()

src\_path = list(uploaded.keys())[0]

print("Upload destination image (where to paste):")

uploaded = files.upload()

dst\_path = list(uploaded.keys())[0]

# Step 3: Load images

src\_img = cv2.imread(src\_path)

dst\_img = cv2.imread(dst\_path)

# Optional: Resize destination image to match source image

dst\_img = cv2.resize(dst\_img, (src\_img.shape[1], src\_img.shape[0]))

# Step 4: Crop region from source image

x, y, w, h = 20, 20, 50, 50 # Coordinates and size of crop

cropped\_region = src\_img[y:y+h, x:x+w]

# Step 5: Paste cropped region into destination image

paste\_x, paste\_y = 100, 100

dst\_img[paste\_y:paste\_y+h, paste\_x:paste\_x+w] = cropped\_region

# Step 6: Convert BGR to RGB for Matplotlib display

dst\_img\_rgb = cv2.cvtColor(dst\_img, cv2.COLOR\_BGR2RGB)

# Step 7: Display using matplotlib

plt.figure(figsize=(8, 6))

plt.imshow(dst\_img\_rgb)

plt.title("Image After Cropping and Pasting")

plt.axis('off')

plt.show()

