11. Perform Affine Transformation on the image.

Program

import cv2  
import numpy as np  
  
  
image\_path ="C:/Users/sidda/OneDrive/Desktop/py/Mario-Sparks-of-Hope-4K-Ultra-HD-Mobile-Wallpaper-950x1689.jpg"  
image = cv2.imread(image\_path)  
  
tx = 70  
ty = 100  
transformation\_matrix = np.array([[1, 0, tx], [0, 1, ty]], dtype=np.float32)  
  
  
height, width = image.shape[:2]  
  
  
affine\_transformed = cv2.warpAffine(image, transformation\_matrix, (width, height))  
  
  
cv2.imshow("Original Image", image)  
cv2.imshow("Affine Transformed Image", affine\_transformed)  
cv2.waitKey(0)  
cv2.destroyAllWindows()  
  
  
cv2.imwrite("transformed\_image.jpg", affine\_transformed)

output

