import cv2

import numpy as np

from matplotlib import pyplot as plt

# Get the uploaded file name

image\_filename = next(iter(uploaded))

# Read the image using OpenCV

image = cv2.imdecode(np.frombuffer(uploaded[image\_filename], np.uint8), cv2.IMREAD\_COLOR)

# Convert to grayscale

gray\_image = cv2.cvtColor(image, cv2.COLOR\_BGR2GRAY)

# Display original and grayscale images

plt.figure(figsize=(10, 5))

plt.subplot(1, 2, 1)

plt.imshow(cv2.cvtColor(image, cv2.COLOR\_BGR2RGB))

plt.title('Original Image')

plt.axis('off')

plt.subplot(1, 2, 2)

plt.imshow(gray\_image, cmap='gray')

plt.title('Grayscale Image')

plt.axis('off')

plt.tight\_layout()

plt.show()

