```
import cv2
import numpy as np

# Load the original color image
image = cv2.imread(r"C:\Users\SAIL\Downloads\CV\alovera.jpg")    # Replace with your image file
if image is None:
    print("Error: Image not found or path is incorrect.")
    exit()

# Define the structuring element (kernel)
kernel = np.ones((5, 5), np.uint8)

# Split the image into Blue, Green, and Red channels
b, g, r = cv2.split(image)

# Apply Black-hat morphological operation on each channel
b_blackhat = cv2.morphologyEx(b, cv2.MORPH_BLACKHAT, kernel)
g_blackhat = cv2.morphologyEx(g, cv2.MORPH_BLACKHAT, kernel)
r_blackhat = cv2.morphologyEx(r, cv2.MORPH_BLACKHAT, kernel)

# Merge channels back into a color image
blackhat_color = cv2.merge((b_blackhat, g_blackhat, r_blackhat))

# Display results
cv2.imshow('Original Color Image', image)
cv2.imshow('Black-hat (Color)', blackhat_color)
```

cv2.waitKey(0)

cv2.destroyAllWindows()