```
import cv2


# Load the input image

image = cv2.imread(r'C:\Users\SAIL\Downloads\CV\girl.jpg', cv2.IMREAD_GRAYSCALE)    # Load as grayscale


# Define a threshold value

threshold_value = 127

max_value = 255


# Apply binary thresholding

_, segmented = cv2.threshold(image, threshold_value, max_value, cv2.THRESH_BINARY)


# Display the original and segmented images

cv2.imshow('Original Image', image)

cv2.imshow('Segmented Image', segmented)

cv2.waitKey(0)

cv2.destroyAllWindows()
```