CODE:

```
import cv2

# Step 1: Read the image
image = cv2.imread(r"C:\Users\harik\Downloads\CV LAB\MOUNTAIN.jpeg") # Replace with the actual image path

# Step 2: Flip the image horizontally (Y-axis 180-degree rotation)
flipped_image = cv2.flip(image, 1)  # 1 means horizontal flip

# Step 3: Display original and flipped images
cv2.imshow('Original Image', image)
cv2.imshow('Flipped Image (180-degree Y-axis rotation)', flipped_image)

# Step 4: Wait for key press and close windows
cv2.waitKey(0)
cv2.destroyAllWindows()
```

OUTPUT: