watermark-using-cv

January 21, 2024

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[73]: # Important library imports
   import cv2
   import numpy as np
   import requests
   from PIL import Image as im

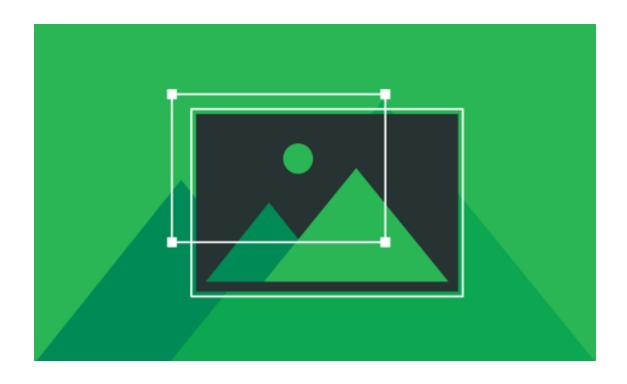
[74]: from PIL import Image
   image_path = '/kaggle/input/spcialmedia/social-media-image.png'

   # Open the image using PIL
   image = Image.open(image_path)

[75]: # Resize the image
   image_logow = image.resize((500, 300))
   image_textw = image.resize((500, 300))

[76]: from IPython.display import display

# Display the resized images
   display(image_logow)
```



```
[77]: from PIL import Image
from IPython.display import display

logo_path = '/kaggle/input/spcialmedia/bird_2.jpg'

# Open the image using PIL
logo = Image.open(logo_path)

# Resize the image
logo_resized = logo.resize((400, 400))

# Display the resized logo
display(logo_resized)
```



```
image_np = np.array(image)

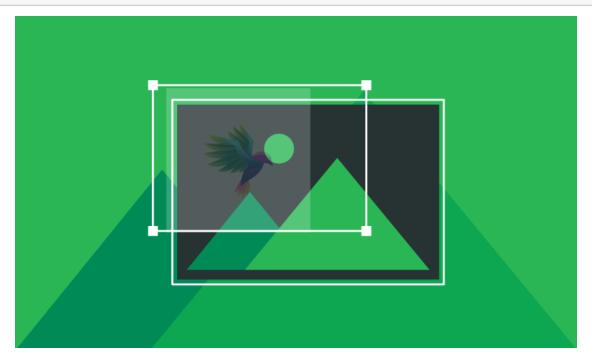
[79]: # Resize the watermark image to a specific size (e.g., 100x100)
    logo_resized = logo.resize((200, 200))

# Convert the PIL Image to a NumPy array
    logo_np = np.array(logo_resized)

[80]: # Get the dimensions of the watermark image
    logo_height, logo_width, _ = logo_np.shape
    position_x = 370
    position_y = 100
```

[78]: # Convert the PIL Image to a NumPy array

```
# Calculate the position to place the watermark
start_y = position_y
start_x = image_width - logo_width - position_x
```



```
[82]: from PIL import Image, ImageDraw, ImageFont
# Create a drawing object
draw = ImageDraw.Draw(image)

# Specify text and font properties
```

