

```
In [1]: import numpy as np
```

```
In [17]: import matplotlib.pyplot as plt
```

```
In [3]: from PIL import Image
```

```
In [5]: feature_image=Image.open(r'C:\Users\SWAPNA\OneDrive\Desktop\image.png')
```

```
In [7]: feature_image
```

```
Out[7]:
```



```
In [8]: print(type(feature_image))
```

```
<class 'PIL.JpegImagePlugin.JpegImageFile'>
```

```
In [9]: fea_arr=np.asarray(feature_image)
fea_arr
```

```
Out[9]: array([[[151, 202, 45],
   [150, 201, 44],
   [150, 201, 44],
   ...,
   [125, 203, 3],
   [126, 203, 3],
   [126, 203, 3]],

   [[153, 204, 47],
   [151, 202, 45],
   [150, 201, 44],
   ...,
   [125, 202, 2],
   [125, 202, 2],
   [125, 202, 2]],

   [[156, 207, 50],
   [154, 205, 48],
   [151, 202, 45],
   ...,
   [123, 200, 0],
   [123, 200, 0],
   [125, 199, 0]],

   ...,

   [[ 15, 137, 96],
   [ 7, 123, 84],
   [ 0, 104, 68],
   ...,
   [202, 241, 0],
   [203, 242, 1],
   [204, 243, 2]],

   [[ 9, 131, 92],
   [ 3, 119, 82],
   [ 0, 102, 69],
   ...,
   [201, 240, 0],
   [203, 242, 1],
   [203, 242, 1]],

   [[ 4, 126, 87],
   [ 0, 115, 78],
   [ 0, 101, 68],
   ...,
   [201, 240, 0],
   [202, 241, 0],
   [203, 242, 1]]], dtype=uint8)
```

```
In [19]: plt.imshow(my_arr)
plt.show()
```



```
In [11]: fea_arr.shape
```

```
Out[11]: (1200, 1920, 3)
```

```
In [12]: my_image=Image.open(r'C:\Users\SWAPNA\OneDrive\Desktop\Aadharmini.png')
```

```
In [13]: my_image
```

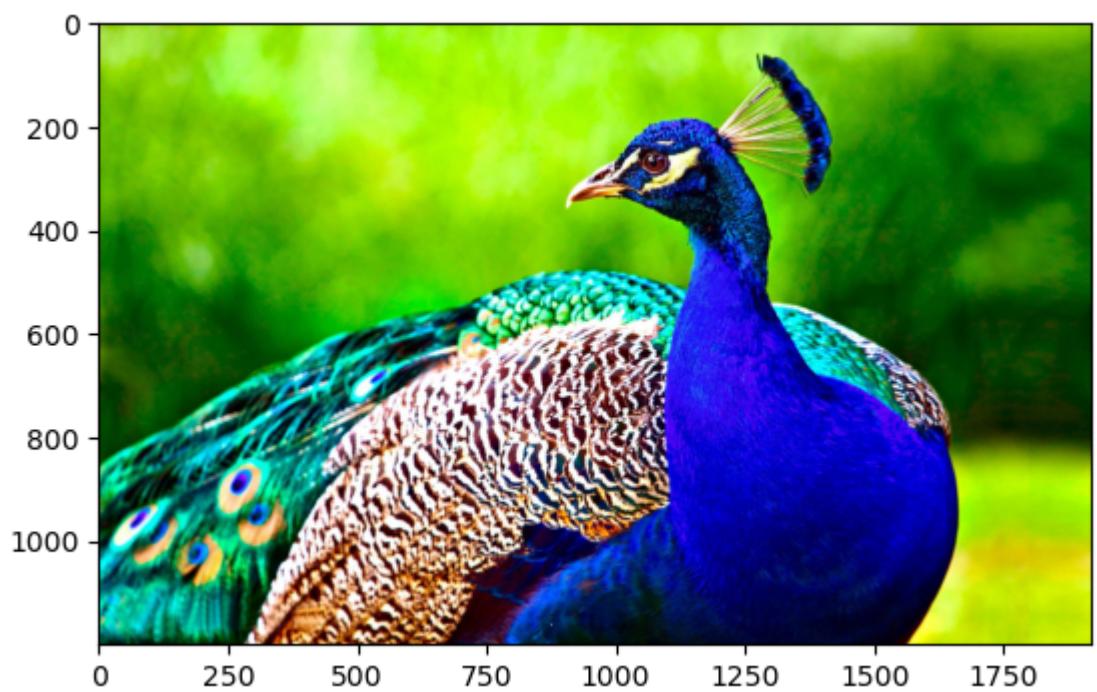
```
Out[13]:
```



```
In [14]: my_arr=np.asarray(my_image)  
my_arr
```

```
Out[14]: array([[[255, 255, 255, 255],  
                 [127, 127, 127, 255],  
                 [ 0,  0,  0, 255],  
                 ...,  
                 [ 0,  0,  0, 255],  
                 [ 0,  0,  0, 255],  
                 [254, 254, 254, 255]],  
  
                [[255, 255, 255, 255],  
                 [127, 127, 127, 255],  
                 [ 0,  0,  0, 255],  
                 ...,  
                 [ 0,  0,  0, 255],  
                 [ 0,  0,  0, 255],  
                 [254, 254, 254, 255]],  
  
                [[255, 255, 255, 255],  
                 [127, 127, 127, 255],  
                 [ 0,  0,  0, 255],  
                 ...,  
                 [ 0,  0,  0, 255],  
                 [ 0,  0,  0, 255],  
                 [254, 254, 254, 255]],  
  
                ...,  
  
                [[255, 255, 255, 255],  
                 [127, 127, 127, 255],  
                 [ 0,  0,  0, 255],  
                 ...,  
                 [191, 191, 191, 255],  
                 [191, 191, 191, 255],  
                 [191, 191, 191, 255]],  
  
                [[255, 255, 255, 255],  
                 [127, 127, 127, 255],  
                 [ 0,  0,  0, 255],  
                 ...,  
                 [ 0,  0,  0, 255],  
                 [ 0,  0,  0, 255],  
                 [ 0,  0,  0, 255]],  
  
                [[255, 255, 255, 255],  
                 [223, 223, 223, 255],  
                 [191, 191, 191, 255],  
                 ...,  
                 [191, 191, 191, 255],  
                 [191, 191, 191, 255],  
                 [191, 191, 191, 255]]], dtype=uint8)
```

```
In [18]: plt.imshowfea_arr)  
plt.show()
```



In []:

In []:

In []: