

Image Processing

Pillow

Intro

- Image processing is a method of analyzing and manipulating digital images. The main goal is to extracting some information
- Python Pillow module is built on top of PIL (Python Image Library).
- Opening an image is a basic operation of the image processing.
- PIL provides the **Image.open()** method, which takes an image filename as an argument.

Attributes of image module

- Image.filename
- Image.mode
- Image.format
- Image.height
- Image.width
- Image.info

Functions in image module

- `Fp.save(imagename.format)`
- `thumbnail()`
- Split – split the bands of colors from image
- merge function-Pillow library provides `merge()` function which takes a mode and tuple of the images parameters. Then, it associates them with a single image.

Image Filtering

- Done with filter package
- Blur images