IMAGE PROCESSING

By

Viral 3

10-Image manipulations with PIL(Crop and Negating)

- PIL provides us with many functions to manipulate an image; for example, using a point transformation to change pixel values or to perform geometric transformations on an image.

  - CROP AN IMAGE
  - NEGATING AN IMAGE

- ***Providing the correct path to the images on the disk***

Cropping an image

- We can use the crop() function with the desired rectangle argument to crop the corresponding area from the image
- ***Providing the correct path to the images on the disk***

Negating an image

- We can use the point() function to transform each pixel value with a single-argument function. We can use it to negate an image, as shown in the next code block. The pixel values are represented using 1-byte unsigned integers, which is why subtracting it from the maximum possible value will be the exact point operation required on each pixel to get the inverted image:
- ***Providing the correct path to the images on the disk***