**Robo Flow - >**

**ROBOFLOW: An overview  
  
Roboflow allows users to upload custom datasets, draw annotations, modify image orientations, resize images, modify image contrast and perform data augmentation. It can also be used to train models.**

**Roboflow is a computer vision platform that allows users to build computer vision models faster and more accurately through the provision of better data collection, preprocessing, and model training techniques.**

**Just like I mentioned, Roboflow also has a universal annotation conversion tool that allows users to upload and convert annotations from one format to another without having to write conversion scripts for custom object detection datasets.**

**Image Processing ->**

**Image processing is the process of transforming an image into a digital form and performing certain operations to get some useful information from it. The image processing system usually treats all images as 2D signals when applying certain predetermined signal processing methods.**

**Image processing is a method to perform some operations on an image, in order to get an enhanced image or to extract some useful information from it. It is a type of signal processing in which input is an image and output may be image or characteristics/features associated with that image.**

**Image processing example  
  
The goal is to find a good mathematical function that represents some given set of data (pixel measurements) representing an object. For instance, we can describe human faces by plotting several measurements for nose length, eye width, lip height etc... as histograms.**

**Histogram equalization is an image processing technique, used to adjust the contrast of the input image. It uses the histogram information and disperses out the most common intensity values to produce a contrast improved image.**

**Digital Image processing is the class of methods that deal with manipulating digital images through the use of computer algorithms. It is an essential preprocessing step in many applications, such as face recognition, object detection, and image compression.**

**Image processing is used to find out various patterns and aspects in images. Pattern Recognition is used for Handwriting analysis, Image recognition, Computer-aided medical diagnosis, and much more.**