

0 - Introduction to opencv

* What is opencv?

Opencv is a great tool used for image processing. This can be used for performing computer vision tasks and execution of various AI/ML models. This can do various tasks like face detection and recognition, object tracking etc.

* Image containing only 2 colors (black and white) is called → Binary image

* Image containing multiple shades of gray → grayscale image

* Image containing all colors and their shades is called → BGR image.

INSTALLATION

The easiest way to install opencv is from CLI.

```
pip install opencv-contrib-python
```

This will install opencv module along with contribution modules.

* YOU MUST HAVE SOME KNOWLEDGE OF PYTHON PROGRAMMING BEFORE USING OPENCV.