

Image Processing in OpenCV

- **Changing Colorspaces**

Learn to change images between different color spaces. Plus learn to track a colored object in a video.

- **Geometric Transformations of Images**

Learn to apply different geometric transformations to images like rotation, translation etc.

- **Image Thresholding**

Learn to convert images to binary images using global thresholding, Adaptive thresholding, Otsu's binarization etc

- **Smoothing Images**

Learn to blur the images, filter the images with custom kernels etc.

- **Morphological Transformations**

Learn about morphological transformations like Erosion, Dilation, Opening, Closing etc

- **Image Gradients**

Learn to find image gradients, edges etc.

- **Canny Edge Detection**

Learn to find edges with Canny Edge Detection

- **Image Pyramids**

Learn about image pyramids and how to use them for image blending

- **Contours in OpenCV**

All about Contours in OpenCV

- **Histograms in OpenCV**

All about histograms in OpenCV

- **Image Transforms in OpenCV**

Meet different Image Transforms in OpenCV like Fourier Transform, Cosine Transform etc.

- **Template Matching**

Learn to search for an object in an image using Template Matching

- **Hough Line Transform**

Learn to detect lines in an image

- **Hough Circle Transform**

Learn to detect circles in an image

- **Image Segmentation with Watershed Algorithm**

Learn to segment images with watershed segmentation

- **Interactive Foreground Extraction using GrabCut Algorithm**

Learn to extract foreground with GrabCut algorithm