

# Computer vision in Python for Beginner (Theory & Projects)

## About the course

- Image Transformations
  - Introduction to Image
  - Geometric Transformations
  - Transformation Estimation
- Image Filtering and Morphology
- Edge Detection
- Shape Detection (RANSAC, Hough Transformation)
- Corner Detection
- Scale Invariant Feature Transformation (SIFT)
- Object Detection
  - YOLO
  - Motion (Optical Flow)
  - Object Tracking
  - Camera Calibration and 3D reconstruction
- Smart CCTV's