



Computer Vision & Image Processing (mini project)

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Overview

We work on an image processing project based on python. Topic we choose is **EDGE DETECTION**.

Technology

1. Python
2. Packages of python (matplotlib, numpy, copy, skimage.io, skimage. filters).
3. Pycharm IDE is used.

Project Details

EDGE DETECTION is the topic which we choose . In slides there is just a theoretical and mathematical explanation of this topic , so here we try to do some implementation by using python.

So, what do we do?

We take an image and try to display this image in a rgb channel and then we show edge detection by using four operators.

1. Robert's edge detection
2. Prewitt edge detection
3. Scharr edge detection
4. Sobel edge detection

By the help of all these four operators you can easily detect the wide ranges of edge in an image .