

OpenCV OCR (Optical Character Recognition)

Introduction:

- Created a Text recognition model using opencv and ocr space api, which detects the text when a particular image is captured by the camera.

Installations required:

```
pip install opencv-python
pip install random
pip install json
pip install requests
```

- check that your pip command is updated.

overview of the project:

- Created a Text recognition model through OpenCV and OCR API.
- Optical character can be detected through the webcam.
- This project completely works on OpenCV commands and Inbuilt functions within OpenCV library.
- We have to capture a live image with a camera. OpenCV provides a very simple interface to do this. Capture an image from the camera (I am using the built-in webcam on my laptop)
- To capture a video or an image, you need to create a Video Capture object. Its argument can be either the device index or the name of a video file or parameters. A device index is just the number to specify.
- When everything done, release the capture
- `webcam.release()`
- `cv.destroyAllWindows()`

Resources used:

- Packages: cv2, time, requests, io, json, random

- <https://www.pyimagesearch.com/category/tutorials/>

Thank you..