Overview:

* This is a License plate detector using OpenCV & Python. It works well under controlled circumstances. Yes, Deep Learning based detectors win the argument compared to OpenCV based ones hands-down.
* We will definitely know the limitations of OpenCV based detectors when we feed in different types of input to it.
* We have to tweak the code if the image quality defers & finding the right values for few constants/parameters is purely by trial and error techniques. Thanks to the amazing documentation of OpenCV website, that makes the understanding of few parameters relatively easy & help us getting to the optimum value sooner.
* Having said that, this project of License Plate Detection, combines the tasks of detecting a license plate in the image & recognizing the characters in it. This would help one(especially beginners in Computer Vision field) understand various image pre-processing concepts & get some hands-on experience on them.

Tools used:

Python, Jupyter notebook, OpenCV & Tesseract OCR + Pytesseract for python bindings

* To know about Tesseract OCR & PyTesseract you can refer these links:

<https://github.com/tesseract-ocr/tesseract>

<https://github.com/madmaze/pytesseract>

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| INPUT IMAGE | OUTPUT |