Microsoft code.fun.do NITK project

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Project name
Can't See Numbers?

Project Description
This project aims to help people with difficulty in reading numbers. This application will identify handwritten digits and display the result on the screen with the certainty percentage.

Prerequisites to run project
Python2, Tensorflow, OpenCV, Matplotlib, NumPy

How to Run
- Open the recognizer.ipynb file in jupyter notebook.
- Run the code.
- To change input image, change the name of the png/jpg file in the code.
- Make sure all the png/jpg files are saved in the same folder as the code.

How to make your own input image
- Draw a digit in any editor such as Microsoft Paint.
- Crop it into a square shape. (Aspect ratio 1:1)
- Reduce the image size to 28px*28px.
- Change the name of the png/jpg input file in the code to the path of your image.