Relaxation Labelling using Initial Probabilities from Maximum Likelihood Classification

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Code requirements:

1. Python 3
2. Libraries as mentioned in PPT
3. CUDA toolkit 7 and above

How to run:

1. Run FinalGUI.py using python command in Command Prompt
2. Follow the instruction given in GUI (Help button)
3. Specify the Input Satellite Image file, can be jpeg, tif or png format
4. Create or Load the Training Set
5. Create or Load the Compatibility Matrix
6. Specify the number of iterations of Relaxation Labelling
7. Additional information is printed out in the console which can be viewed if required
8. Matplotlib provides in-built facility to save images, which can be used from Image tab

Miscellaneous:

1. GUI designed using Qt Designer 4, which is platform independent
2. Code will run on NVIDIA GPUs with CUDA capability 3.0 and above