

< Back to Al Programming with Python Nanodegree

## Image Classifier Application

REVIEW	CODE REVIEW 4	HISTOR
Meets Specifications		
Dear student,		
	y changes as suggested by the previous review pleasure as it is really well done. Your hold on	
Congratulations on successfully Good Luck!	completing the project!	
Files Submitted		
The submission incl	udes all required files. (Model checkpoints no	t required.)
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	ms are used to augment the training data wi	tii ranaoiii scaniig,
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There is a function that successfully loads a checkpoint and rebuilds the model

The trained model is saved as a checkpoint along with associated hyperparameters and the class\_to\_idx dictionary

Great Job here. I assume that you understood the necessity of saving the hyperparameters along with other related details.

Sometimes the checkpoint saved become useless if the associated hyperparameters are not saved.

The process\_image function successfully converts a PIL image into a tensor that can be used as input to a trained model

The changes made seems to be good.

The predict function successfully takes the path to an image and a checkpoint, then returns the top K most probably classes for that image

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The changes made are perfect as suggested in the previous review.

A matplotlib figure is created displaying an image and its associated top 5 most probable classes with actual flower names

## Part 2 - Command Line Application

train.py successfully trains a new network on a dataset of images and saves the model to a checkpoint

The training loss, validation loss, and validation accuracy are printed out as a network trains

The training script allows users to choose from at least two different architectures available from torchvision.models

The training script allows users to set hyperparameters for learning rate, number of hidden units, and training epochs

Changes are perfect!

The training script allows users to choose training the model on a GPU

The changes suggested in the previous review seems good.

Along with user provided GPU check, you should also add another check of GPU availability and only when both the conditions satisfy, you should run it on GPU.

The predict.py script successfully reads in an image and a checkpoint then prints the most likely image class and it's associated probability

Changes are good.

The predict.py script allows users to print out the top K classes along with associated probabilities

The predict.py script allows users to load a JSON file that maps the class values to other category names

The predict.py script allows users to use the GPU to calculate the predictions

4 CODE REVIEW COMMENTS

RETURN TO PATH

Student FAQ