

CS5542 Big Data Apps and Analytics

In Class Programming –5
23rd September 2020

Submit ICP Feedback in Class. : [Lnk to Feed back Form](#)

CNN:

Use the same data (that we used in ICP4 `from keras.datasets import cifar10`)) and use the model provided in ICP5 to perform image classification. You must change 4 hyper parameters in the source code. Report your findings in detail.

Note: please indicate in your reports which 4 hyperparameters you changed in the source code and why in your opinion these changes are logical.

ICP Requirements:

- 1) Successfully executing the code and changing 4 hyperparameters in the model (75 points)
- 2) Validating the model on 5 new images (that are not present in the data set and are not used in training or testing but are taken from internet) (5 points)
- 3) Providing the logical explanation of the changes that you made to hyper parameters and overall code quality (10 points)
- 4) Pdf Report quality, video explanation (10 points)

Submission Guidelines:

Same as ICP 2.