

## **CS5597: Directed Reading**

Distributed Classification for Deep Learning

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Project Progress Report

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Regarding the progress of the Project I have completed,

- The installation of Tensorflow and Pycharm on Linux machine.
- Studied about tensorflow library for machine learning.
- Studied about the classification concept with neural network.
- Studied about the formation of different neural networks and how it works.
- Examined the MNIST dataset using different existing examples to find out the accuracy of the results.
- Convolutional neural network is suitable for image classification indicated by different research papers as it can deal with large dataset as well.