CS5720

**Neural Networks & Deep Learning - ICP-10**

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**Github Link**: <https://github.com/csk17/NNDL_ICP10>

# Lesson Overview:

In this lesson, we are going to discuss types of ANNs and Recurrent Neural Network.

# Use Case Description:

1. Sentiment Analysis on the Twitter dataset

# Programming elements:

1. Basics of LSTM
2. Types of RNN
3. Use case: Sentiment Analysis on the Twitter data set.

# In class programming:

* 1. Save the model and use the saved model to predict on new text data (ex, “**A lot of good things are happening. We are respected again throughout the world, and that's a great thing** [.@realDonaldTrump](https://twitter.com/realDonaldTrump)”)
  2. Apply GridSearchCV on the source code provided in the class.

**Solution:**

* The GridSearchCV is applied on the source code and predicted on the text data which is available in the GitHub link provided above.