**DEEP LEARNING ICP5**

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**Lesson Overview:**

In this lesson, I have learned the types of ANNs and Recurrent Neural Network.

**Programming elements:**

1. Basics of LSTM

2. Types of RNN

3. Use case: Sentiment Analysis on the Twitter data set

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)”)

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1. Apply GridSearchCV on the source code provided in the class

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3.Apply the code on spam data set available in the source code (text classification on the **spam.csv** data set)

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