## Deep Dive Module 5

### Deep Dive

#### **RNNs**

□ Evolution of Neural Networks to Large Language Models in Detail <a href="https://www.labellerr.com/blog/evolution-of-neural-networks-to-large-language-models/">https://www.labellerr.com/blog/evolution-of-neural-networks-to-large-language-models/</a>

#### **RNN** variants

- Exploring the LSTM Neural Network Model for Time Series
   https://towardsdatascience.com/exploring-the-lstm-neural-network-model-for-time-series-8b7685aa8cf
- ☐ Bidirectional Recurrent Neural Network
  <a href="https://www.geeksforgeeks.org/bidirectional-recurrent-neural-network/">https://www.geeksforgeeks.org/bidirectional-recurrent-neural-network/</a>
- ☐ Language Translation with RNNs https://towardsdatascience.com/language-translation-with-rnns-d84d43b40571
- ☐ The ultimate Showdown: RNN vs LSTM vs GRU Which is the best? https://www.shiksha.com/online-courses/articles/rnn-vs-gru-vs-lstm/

#### **Transformers**

☐ Self Attention in Transformer Neural Networks https://www.youtube.com/watch?v=QCJQG4DuHT0&ab\_channel=CodeEmporium



# شكراً لكم

Thank you

