**NLP and LLM**

**Course Outline**

* Introduction to NLP
* Dense Embedding
  + One Hot Encoding
  + Skip-gram
  + CBOW
* Text Classification using CNN
* Recurrent Models
  + RNNs
  + LSTM
  + Text Generation using LSTM
* Foundations of Large Language Models
  + Transformers
    - Transformer architecture
    - Encoder-Decoder Models
  + Large Language Models Finetuning