NLP experience

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Projects

- Currently developing a Transaction Bot that provides a service, such as Banking, to users via text messaging
    - The implementation is in progress https://github.com/vineetk1/fairseq/tree/dialog
    - The implementation includes an end-to-end trainable, LSTM-based Encoder-Decoder with Attention, and an Attention-based copy mechanism to track the dialog state
    - The implementation is in Python and Pytorch
- Developed a command-line tool to interact with Keras-based deep-learning models https://github.com/vineetk1/interact-keras-model
    - The implementation is in Python
- Implemented Headword feature and tested its performance as compared to current implementation of open-source Factoid Question-Answering (YodaQA) software https://github.com/vineetk1/yodaqa
    - The implementation is in Java
    - This implementation is more than 3 years old when Information Retrieval techniques were the state-of-art. Now Deep Learning is widely used
    - Literature review on Question-Answering and Question-Classification https://github.com/vineetk1/yodaqa/wiki/Literature-search-for-Question-Answering-and-Question-Classification
    - YodaQA Pipeline document https://github.com/brmson/yodaqa/wiki/how-yodaQA-builds-UIMA-pipeline
- Literature review on Automatic ExtractiveText Summarization https://github.com/vineetk1/Automatic-Text-Summarization-Literature-Review
    - This work was done more than 4 years ago

NLP experience plus some general experience

- NLP   ~ 5 years
- Deep Learning using PyTorch   1.5 years
- Python   3 years
- Java   1 year
- C++ and C   12 years
- More than 25 years of experience in leading, managing, and building world-class teams