

Capstone 2 Project Ideas

Idea 1: Informational Retrieval

Retrieving relevant information from Medical Q&A dataset

Idea here is to build a relevant search which will take the user query and pull the closest match at the pre-defined medical question and answer data set.

Solution Approach: I intend to implement this idea by building a combination of Deep Learning Tensor flow algorithm and elastic search based. If the user entry is few keywords, then model will perform elastic search otherwise model will apply Deep Learning Tensor flow algorithm to perform the search.

Data: Planning to use following data set

- [MedQuAD](#)
- [Medical-question-answer-data](#)

Idea 2: AI based Chatbot

Deep Natural language based chatbot for soccer game

Idea here is to build Deep Natural language based chatbot which will respond to user queries about soccer game, player information, statistics, or bigger event.

Solution Approach: I intend to implement this idea by Deep Learning RNN based algorithm. The algorithm will go over the content storied in database which will be built by pulling information using public API or by scrapping club sites like Premier League or event sites like FIFA

Data: Build data repository by scrapping English Premier League site