**Week 1**

* Introductory class and choosing a topic in the field of NLP

**Week 2**

* Fixed on ‘interpretability of transformer models’ as the capstone project and worked on the proposal report

**Week 3**

* Gathered dataset and submitted the proposal report

**Week 4**

* Worked on the theory,  
  Neural Networks > Recurrent Neural Networks > Encoder-Decoder > Attention > Transformer > BERT
* Looked into how BERT works at a high level
* Found a few reference notebooks where transformer models are used for sentiment classification

**Week 5**

* Looked at the hugging face repository and tried to implement it with the dataset

**Week 6**

* Continued tuning the model

**Week 7**

* Mid semester presentation

**Week 8**

* Tried to implement LIME and Captum with the models

**Week 9**

* Continued to implement LIME and Captum with the models

**Week 10**

* Worked on the github repository so that it can be reproduced

**Week 11**

* Looked at more results and comparisons between LIME and Captum

**Week 12**

* Implemented a baseline CNN model for reference and implemented LIME and Captum with it

**Week 13**

* Worked on the Final Report

**Week 14**

* Worked on the Journal Submission and Final presentation