Project Ideas:

Word & Sentence completion

<https://www.cse.scu.edu/~m1wang/projects/NLP_sentenceCompletionByTextPredict_18w.pdf>

Resume Parser:

<https://ieeexplore.ieee.org/document/9689075>

<https://www.kaggle.com/code/gauravduttakiit/resume-screening-using-machine-learning>

<https://medium.com/@anujmk104/nlp-for-resume-screening-31a16aa059e8>

<https://jespublication.com/upload/2022-V13I9053.pdf>

<https://www.kaggle.com/datasets/gauravduttakiit/resume-dataset>

[https://www.researchgate.net/publication/361772014\_RESUME\_PARSER/link/62c46147db1d23](https://www.researchgate.net/publication/361772014_RESUME_PARSER/link/62c46147db1d233df1ca99e3/download)

[3df1ca99e3/download](https://www.researchgate.net/publication/361772014_RESUME_PARSER/link/62c46147db1d233df1ca99e3/download)

Data sets

1. <https://github.com/manishshettym/ResumeRise/tree/master/Data>
2. <https://www.kaggle.com/code/gauravduttakiit/resume-screening-using-machine-learning/input>

Project work

Professor meetings

1.

He is also working on this

1. He is looking for different ways we have tried it

Bag of words

TF-IDF

Word2vec

And some more methods which we can compare

Different models for creating the ATS system

Look up the papers and what they are doing.

Any new approaches for pre processing data and rearch on different ways we can do it.

Read on new research papers - and post any findings

EDA before we move on

Data set will finally be optimized

Check the data and see how many data sets we have for each job description

1. Combine both the data sets
2. Remove the stop words
3. Use bag of words for checking
4. For each category, maybe make histograms and such to show case our input data

We will be using colab notebooks

March 6th

We can meet in Khoury at 4 PM.

Nikita : <https://colab.research.google.com/drive/1MRphKEnLCnd29kva0uXUgyHEtGa7cmNK#scrollTo=LeEn2ajjRe1U>