

- **What I have learnt while doing this projects:**

1. Taking the output of the penultimate layer of CNN will give the feature vectors.
2. How the sentences are recursively splitted for training in NLP.

- **To improve performance:**

1. Cleaned the captions data and removed single letter words from the inputs
2. Trained the model in batches to reduce RAM requirement.
3. Used dropout layers in the model.

- **References:**

I had followed the following tutorial for some part of the code(especially the NLP portion):

<https://youtu.be/fUSTbGrL1tc?si=cYqJnRA9VIHrgVvc>