<u>Summary of Learnings and Experiences</u>

Throughout this project, I worked on various NLP tasks using different models. Here are the key points and learnings from my experience:

- **Extra Working Task:** The extra work task was challenging and time-consuming. It required a significant amount of effort and patience to train and test different models.

- **Training Time:** Some models took a long time to train. The training durations varied, with some models taking 2 hours, 3 hours, and the longest one being Longformer, which took approximately 5 hours. Unfortunately, the Longformer model failed at the end, which was exhausting. Due to time constraints, I had to switch to a different dataset.

- **Experimentation and Troubleshooting:** Working with different models involved experimenting with code and troubleshooting errors. I had to rely on online resources and forums to resolve issues. It was a mix of successes and failures, but it provided valuable learning opportunities.

- **Speed Considerations:** Testing and determining the most efficient model required trying different techniques. It was crucial to find models that ran fast and provided satisfactory results within the given constraints.

- **Limited Resources for Extra Work:** The extra work models presented additional challenges. There were limited resources available to learn from, as the task involved transforming datasets and using appropriate tokenizers. Some models did not work with their respective tokenizers, so I resorted to using the AutoTokenizer for compatibility.

This project provided an excellent opportunity to apply the learnings from the deep learning with NLP course. It allowed me to revisit and revise the concepts, techniques, and methodologies learned throughout the course. Applying these learnings in a practical project like this reinforced my understanding and improved my skills in implementing deep learning models for NLP tasks.