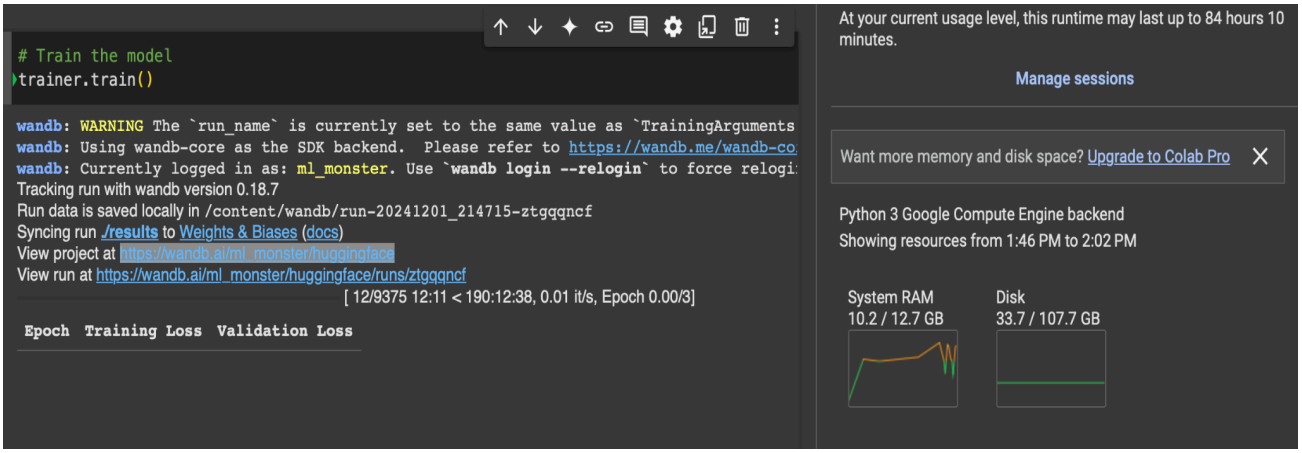
Project Milestone

Goals Defined for the Milestone:

- Select a publicly available dataset and preprocess it for sentiment analysis.
- Train a Transformer model on the data.
- Achieve a baseline accuracy of 70% on the test dataset.
- Implement a working script for dataset loading, preprocessing, and model evaluation.

Challenges blocked the Progress:

- Training speed: The initial Transformer model (BERT) was too slow, taking over 7 hours. This was resolved by switching to the DistilBERT model.
- Limited compute resources: Training on larger datasets is challenging with the available hardware.



Next Steps:

- Tune hyperparameters to further improve the model's accuracy.
- Extend the training to a larger subset if compute resources allow.
- Implement and evaluate additional Transformer architectures.

Project Repo Link: https://github.com/nihal2704/CS507