

Which tasks have been completed? And Which tasks are pending?

Refer Below Table for the status :

Task	Hours	Task Status	Comment
Learning Phase: 1. Semantic Search 2. Fundamentals of Text Embedding	6 Hours	Completed	Considering my Novice level I allocated approx. 2 hours for learning & understanding this topics with respect to project development.
Setting Up the environment	4 Hours	In Progress	Allocated 4 hours to install necessary and required tools ,libraries ,BERT etc.
Learning to work with BERT / Sentence - BERT	8 Hours	In Progress	Running BERT/ Sentence-BERT for Text Embeddings. Understanding the Output and Tuning Parameters Best Practices and Troubleshooting

Task	Hours	Task Status	Comment
Implementing the Semantic Search	16 Hours	Yet to start	Integrating Text Embeddings in Search Testing & Debugging
Evaluation & Fine Tuning	6 Hours	Yet to start	Setting Up Evaluation Metrics Analyzing and Interpreting Results. Fine-Tuning the Model
Documentation and Reporting	6 Hours	Yet to start	Documenting the Development Process Preparing a Final Report and Presentation

Are you facing any challenges?

As a novice, venturing into the world of natural language processing (NLP) and specifically working with models like BERT (Bidirectional Encoder Representations from Transformers) is bit challenging and tedious for me .

Currently I am learning & practicing making smaller model (like BERT-Base) for initial experiments and trying to figure out which version is suitable for my project .

Also I am revisiting my proposal to ensure if there is any gap in my plan design and implementing it.