**Project Proposal:**

**1.Title of the Project:**

* Movie Recommendation System Using Plot Summaries

**2.Problem Statement:**

* Users struggle to find movies that match their preferences, as traditional recommendation systems rely mostly on ratings or watch history, missing the actual content of the movies. There's a need for a system that recommends movies based on plot summaries to provide more relevant and personalized suggestions.

**3.Proposed Solution:**

* The Movie Recommendation System will allow users to input a brief description of a movie they like or their preferences. Based on this input, the system will use advanced Natural Language Processing (NLP) techniques to analyze the content of movie plot summaries and recommend movies with similar themes, genres, or plot structures. The system will use text similarity models, such as TF-IDF or BERT embeddings, to match user input with movie plot summaries and provide accurate recommendations.

**4.Technologies to be Used:**

* Frontend: React (for creating a dynamic, responsive user interface) HTML/CSS (for basic web design)
* Backend: Python (for model development, using libraries such as transformers, sklearn, Flask for API development)
* NLP Model: TF-IDF or BERT/Sentence-BERT (for computing text similarity and matching plot summaries)

**5.Team Member Names and Roll Numbers:**

* Member 1: DUDANI JIYA – KU2407U400
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