**📊 Project Summary: ChatGPT Rating Prediction Pipeline**

This project involves building a machine learning pipeline to **predict user ratings** for ChatGPT reviews using **natural language processing (NLP)** techniques. The key steps and components of the pipeline are:

* **Dataset**: The data consists of user-generated reviews of ChatGPT, stored in a CSV file. Non-essential columns like date and title are dropped to focus on the textual content.
* **Text Preprocessing**: Basic preprocessing is likely applied (e.g., removal of stopwords, regular expressions, etc.) to clean and prepare the text data for modeling.
* **Feature Extraction**: Text data is transformed using **TF-IDF Vectorization** to convert raw text into numerical features that can be used in machine learning models.
* **Modelling**: The processed data is used to train a **Passive Aggressive Classifier**, which is well-suited for large-scale text classification tasks and online learning.
* **Evaluation**: Model performance is evaluated using standard metrics such as **accuracy**.