Movie Review Sentiment Analysis

Approach:

- Preprocessed text data (tokenization, stopword removal, stemming).

- Trained a machine learning model (Logistic Regression) on a labeled dataset.

- Evaluated using accuracy, precision, recall, and F1-score.

- Deployed using Streamlit for real-time sentiment classification.

Challenges:

- Handling imbalanced data distribution.

- Optimizing model performance on limited data.

Model Performance & Improvements:

- Achieved an accuracy of ~85%.

- Could be improved by using transformer-based models like BERT.

Deployment:

https://hasantahir248-movie-review-sentiment-analysis-app-nthx0z.streamlit.app/