Source Code :

*import streamlit as st import pandas as pd*

*from sklearn.feature\_extraction.text import TfidfVectorizer from sklearn.metrics.pairwise import cosine\_similarity*

*# Load Data*

*movies = pd.read\_csv("movies.csv")*

*# TF-IDF processing*

*tfidf = TfidfVectorizer(stop\_words='english') tfidf\_matrix = tfidf.fit\_transform(movies['Genres']) cosine\_sim = cosine\_similarity(tfidf\_matrix, tfidf\_matrix)*

*# Title lookup*

*movie\_indices = pd.Series(movies.index, index=movies['Title'])*

*# Recommend function*

*def get\_recommendations(title, top\_n=10): idx = movie\_indices[title]*

*sim\_scores = list(enumerate(cosine\_sim[idx]))*

*sim\_scores = sorted(sim\_scores, key=lambda x: x[1], reverse=True) sim\_scores = sim\_scores[1:top\_n + 1]*

*movie\_indices\_top = [i[0] for i in sim\_scores] return movies['Title'].iloc[movie\_indices\_top]*

*# --- Streamlit UI ---*

*st.set\_page\_config(page\_title="ˆ’z`˘˜*蘯*F~—*蘹*MovieMatch AI", layout="centered")*

*st.title("ˆ˘z`F~˜’*蘹*—*蘯 *MovieMatch AI") st.markdown("""*

*Welcome to \*\*MovieMatch AI\*\* — your personal movie recommender system powered by artificial intelligence!*

*Enter a movie title you like, and we'll suggest similar ones just for you. """)*

*# Movie input (instead of selectbox)*

*selected\_movie = st.text\_input("Enter the name of a movie you like:")*

*if st.button(".\_*蘇蘄*Recommend"): if selected\_movie:*

*st.subheader("You might also enjoy:") try:*

*recommendations = get\_recommendations(selected\_movie) for i, title in enumerate(recommendations, 1):*

*st.write(f"{i}. {title}") except KeyError:*

*st.error("Sorry, we couldn't find the movie. Please try again with a different*

*title.")*

*else:*

*st.error("Please enter a movie name.")*