Movie Recommendation System

Overview

This is a movie recommendation system built using machine learning techniques and Python libraries such Scikit-learn & `NLTK`. The system provides recommendations based on user preferences. Its recommend top five movie. Which is similar to the input. Additionally, a web interface is implemented using the `Streamlit` library, making it easy for users to interact with the model.

Features

- Movie recommendations based on user input.
- Natural Language Processing (NLP) techniques using `NLTK`.
- Interactive web interface using `Streamlit`.
- Uses IMDB dataset for movie recommendations.

Installation

To run this project locally, follow these steps:

Prerequisites

Make sure you have Python installed (preferably Python 3.7 or above). Install the required libraries using:

```
pip install numpy pandas scikit-learn nltk streamlit
```

Clone the Repository

```
git clone https://github.com/yourusername/MovieRecommendSystem.git
cd MovieRecommendSystem
```

Run the Streamlit App

```
streamlit run app.py
```

Usage

1. Open the web application in your browser.
2. Enter a movie name or select preferences.
3. The system will generate movie recommendations based on the input. & it recommend top five movie

Technologies Used

- Python
- Machine Learning (Scikit-learn)
- NLTK (Natural Language Toolkit)
- Pandas & NumPy
- Streamlit (for web interface)
- Html

Future Enhancements

- Improve recommendation accuracy with deep learning.
- Add user authentication.
- Expand dataset for better recommendations.

Contributing

If you'd like to contribute to this project, feel free to fork the repository and submit a pull request.

License

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Contact

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