

Movie/TV shows Recommendation System

Introduction :

In the era of digital streaming, the abundance of movies and TV shows poses a challenge: selecting what to watch. Our Online Movie/Show Recommendation System (OMRS) tackles this by suggesting tailored content. By merging collaborative and content-based filtering, the OMRS considers user preferences and content attributes for diverse recommendations. We explore data collection, algorithmic recommendation generation, and the user interface. Our goal is to enhance the viewing experience, offering a solution that bridges the gap between users and the vast sea of content. The OMRS demonstrates how smart technology can simplify content discovery, making entertainment choices more enjoyable and personalized.

Key points used in Movie/TV shows Recommendation System :-

1. Collaborative Filtering
2. Content-Based Filtering
3. Hybrid Approaches
4. Matrix Factorization
5. Deep Learning
6. Feature Engineering
7. User Profile
8. Cold Start Problem
9. Evaluation Metrics

10. Scalability and Real-Time Recommendations
11. Feedback Loop
12. User Interface
13. Personalization and Diversity
14. Privacy and Data Security

Abstract :-

In the digital streaming era, our Online Movie/Show Recommendation System (OMRS) simplifies the overwhelming task of choosing content by suggesting personalized options. By blending collaborative and content-based filtering, the OMRS offers diverse and relevant recommendations. We delve into data collection, recommendation algorithms, and user interfaces. Our aim is to bridge the gap between users and the vast content landscape, enhancing the entertainment experience. The system combines user behavior analysis with item attributes to create accurate suggestions. It addresses the "cold start" issue for new users and items. Metrics like accuracy and diversity gauge recommendation quality. User feedback refines suggestions, while privacy and scalability remain paramount. This approach balances personalization and discovery, promising an enjoyable content journey.

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