

Building a personalized movie recommendation system using the SASRec model combined with an AI-generated advisory chatbot.

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Abstract: This research addresses the problem of sequential movie recommendation by applying the Self-Attention mechanism through the SASRec model. The system models user interaction history into behavior sequences to predict the next content to watch. The novelty of the project is the integration of a conversational Chatbot based on a large language model (LLM), allowing users to receive movie recommendations through natural communication. The implementation process includes extracting behavioral features and using a Masking mechanism to optimize training. The result is the CineMix system, which offers high personalization and supports intelligent interaction.

Keywords: Recommendation System, SASRec, Generative AI

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