Deep Learning for Movie Recommendations: Leveraging Big Data for Personalized Viewing Suggestions

GROUP IDENTIFICATION

DHAARANI PUSHPAM : 21MIA1052
BHARATH VIKRAM : 21MIA1061
RISHA RAJEEV : 21MIA1094

Introduction

Deep Learning is revolutionizing the way **movie recommendations** are made. By leveraging **big data**, it is now possible to offer **personalized viewing suggestions** to users. In this presentation, we will explore the benefits of using deep learning for movie recommendations.

Abstract

The project's foundation will be a recommendation system tailored to digital media content.

video films or online series. The foundation of our study will be a methodology called collaborative filtering.
The ml-25m Dataset, spark (MLib), the concepts of matrix factorization, and the ALS algorithm will all be utilised in the execution of this model.
Spark's distributed computing design will not only improve the speed and accuracy with which large datasets can be analysed, but also the scalability and performance of the system when combined with Deep Learning.

The Problem

The problem with traditional movie recommendations is that they are often **ineffective**. They may suggest movies based on **genre or rating**, but this does not always take into account the unique preferences of the viewer. This is where **deep learning** comes in to provide a **more personalized** experience.

The Solution

By using **big data** and **deep learning algorithms**, we can create a **more accurate** and **personalized** movie recommendation system. This system takes into account the **viewer's past behavior** and **preferences** to make suggestions that are more likely to be of interest.

The Benefits

The benefits of using deep learning for movie recommendations are **numerous**. It provides a **better user experience**, increases **customer satisfaction**, and can even lead to **increased revenue** for movie streaming companies.

The Future

The future of movie recommendations is **exciting**. With the continued use of **big data** and **deep learning**, we will see even **more accurate** and **personalized** suggestions. This will lead to a **more enjoyable** and **engaging** viewing experience for all.

Conclusion

In conclusion, deep learning is transforming the way we make movie recommendations. By leveraging big data and advanced algorithms, we can offer a more personalized, accurate, and engaging experience for viewers. This is just the beginning of what is sure to be an exciting future for movie streaming.

Thank You