

BOOK RECOMMENDATION SYSTEM

gifted and mentorship program

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WHAT ARE MACHINE LEARNING AND AI?



They are two related fields that involve developing systems that can learn from data, make predictions or decisions, and perform tasks that normally require human intelligence. Machine learning algorithms allow computers to identify patterns in large datasets and use those patterns to make predictions or take actions without being explicitly programmed

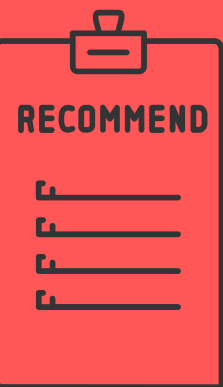


WHY RECOMMENDATION SYSTEM?

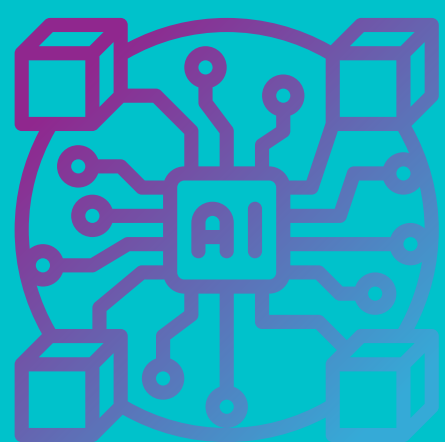


As soon as I watch a certain movie or series, or search for a certain book my sites suggestions are filled with similar movies, series and books.

Therefore, I decided to research how this algorithm works and how to design a similar algorithm using machine learning. so I try to understand and apply an algorithm to develop a content recommendation engine that aims to analyze USER'S choices and suggest choices similar to their preferences.



THE ALGORITHM USED



I use The Nearest Neighbors algorithm which is a machine learning algorithm that falls under the category of unsupervised learning. It is used for finding similar items or objects based on their features or characteristics



CONSTRUCTION STAGES



- Data collection
- Data loading
- Data analysis
- Model building
- Training the model
- Evaluation

