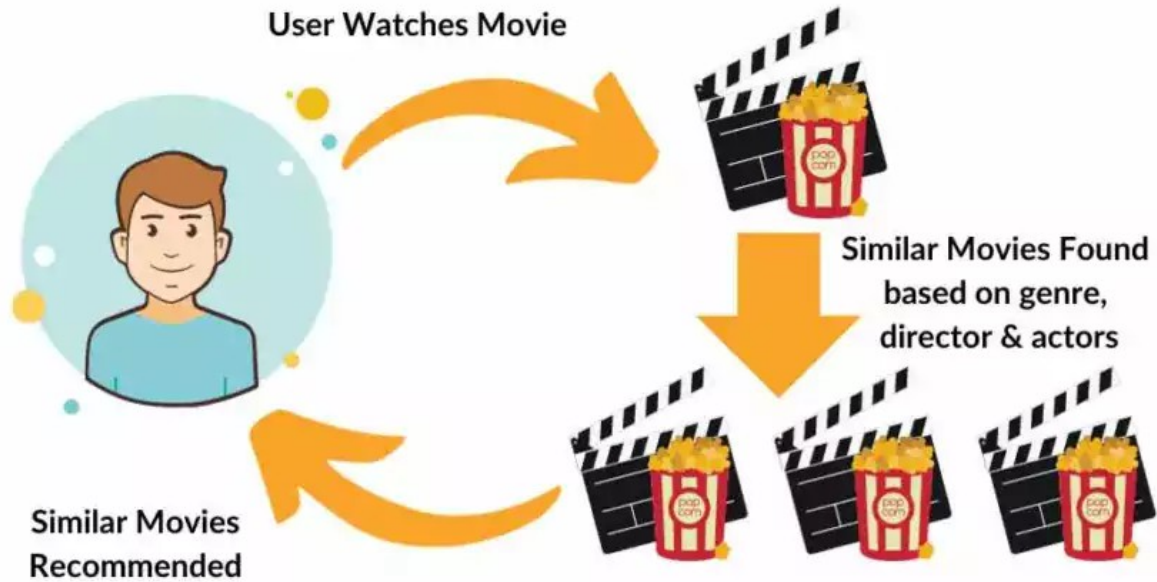# 4 Days Workshop on
Artificial Intellegence

Recommandation Systems

Various type of recommandation systems and how they work
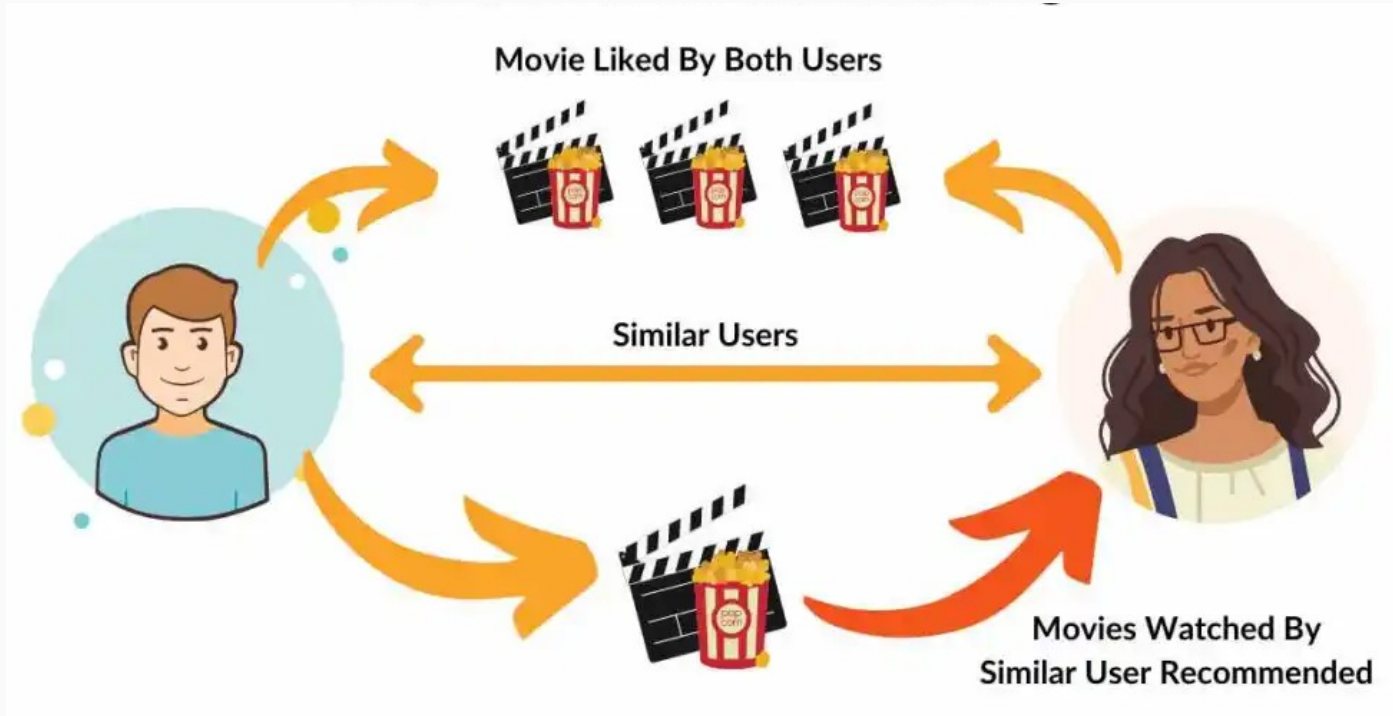
Recommandation System Overview

Content based Filtering

User Watches Movie

Similar Movies Found based on genre, director & actors

Similar Movies Recommended

Collaborative Filtering

Movie Liked By Both Users

Similar Users

Movies Watched By Similar User Recommended

k-Nearest Neighbors

k-Nearest Neighbors (KNN) is a non-parametric, instance-based learning algorithm that makes predictions by comparing a new data point to the k most similar points in the training dataset, using a chosen distance or similarity metric.

- No explicit training phase

- Stores all data points

- Decisions are made at inference time

- Works for both classification and regression

k-Nearest Neighbors