***Recommendation System Assignments***

1. **Apriori Store:**

* In this project, we intent to recommend users the other products which are frequently bought together,

given that they have already chosen some product to buy.

This kind of system is implemented by Flipcart, Amazon, etc, where they recommend set of frequently bought product,

when the user selects product of a particular set.

1. **Books recommendation:**

* Online book reading and selling websites like Kindle and Goodreads compete against each other on many factors. One of those important factors is their book recommendation system. A book recommendation system is designed to recommend books of interest to the buyer.

The purpose of a book recommendation system is to predict buyer’s interest and recommend books to them accordingly. A book recommendation system can take into account many parameters like book content and book quality by filtering user reviews. In the section below, I will introduce you to a machine learning project on the book recommendation system using Python.

1. **Collaborative Book Recommendation:**

* In this project, we recommend the books to the user depending upon the similarity the user have with existing user.

The preferences of the most similar user is recommended to the user under consideration.

1. **Content Based Movie Recommendation:**

* In this project, we are using the contents of the movie like its name, director, producer, etc, to find the similar movies and recommend it to the user.

We have also made a web-app using streamlit for user interection.

1. **Dish Recommendation:**

* We create a recommendation system for Dish, based on the ingredients of the dish. We use count-vectorization and cosine-similarity to achieve the recommendation given a dish(Content based recommendation).
* Dataset in added in the same folder along with the colab notebook.

1. **Movie recommendation:**

* We create a recommendation system for movies, based on the contents present in the overview. We use vectorization and sigmoid calculations to achieve the recommendation given a movie(Content based recommendation).
* Dataset in added in the same folder along with the colab notebook.

1. **Netflix Hybrid Recommendation:**

* Create recommendation hybrid recommendation system to recommend relevant movies to a particular user.