

Electrical and Computer Engineering Department

ENCS3340 Artificial Intelligence

Project

Books Recommender System test results

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Instructor: Prof. Adnan Yahya

Neural Collaborative Filtering

Book Recommendation System

Book Recommendation System

User ID:

153662

Get recommendations using kNN

Get recommendations using ANN

Get recommendations using Clustering

Recommended Books:

A Year in Provence

Zombies of the Gene Pool

SISTERS, THE

The Hearing

The Runaway Jury

Model Metrics:

Accuracy: 0.87

Precision: 0.90 recall: 0.96

F1 Score: 0.93





























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Book Recommendation System

User ID:

11676

Get recommendations using kNN

Get recommendations using ANN

Get recommendations using Clustering

Recommended Books:

What We Keep: A Novel (Ballantine Reader's Circle)

Operation: Husband (Harlequin American Romance, No 581)

Sisterhood

Streets Of Fire (Superomance, No 407)

Saving Faith

Model Metrics:

Accuracy: 0.56 Precision: 0.58

recall: 0.84

F1 Score: 0.69



















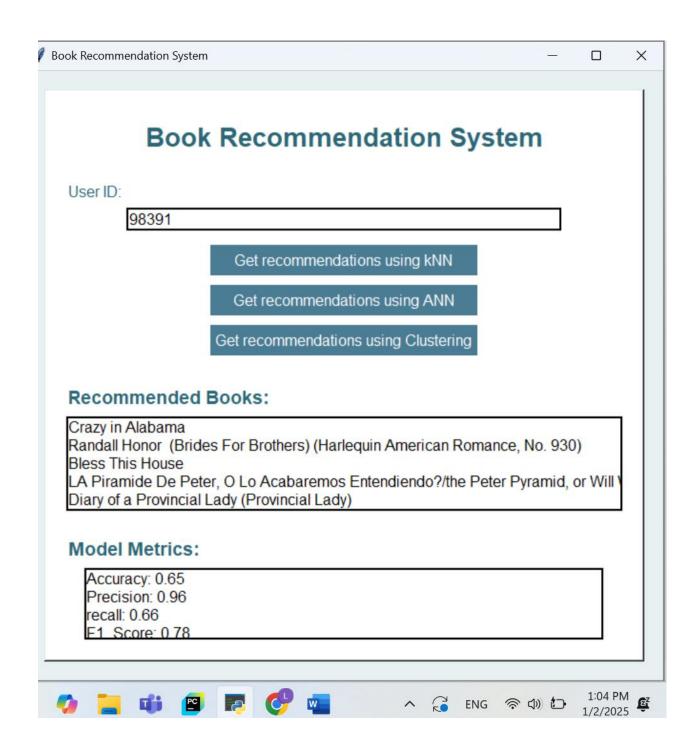


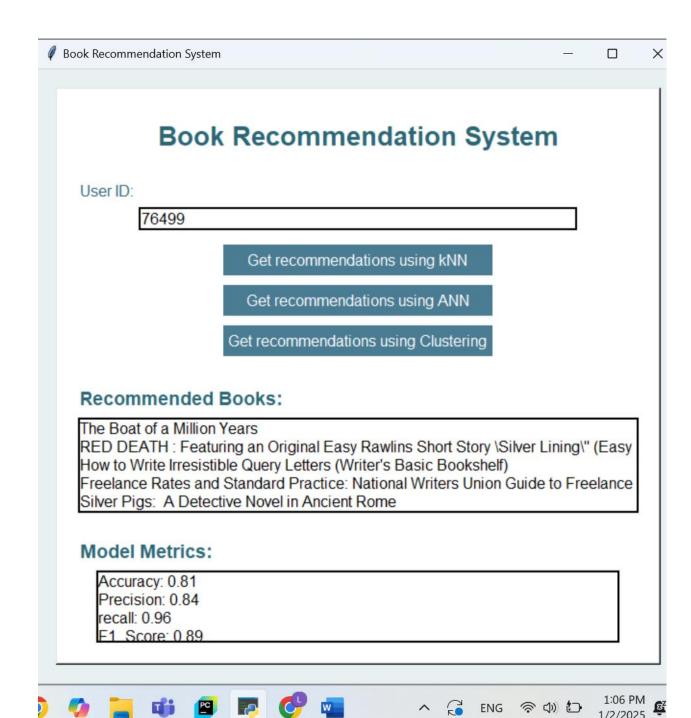


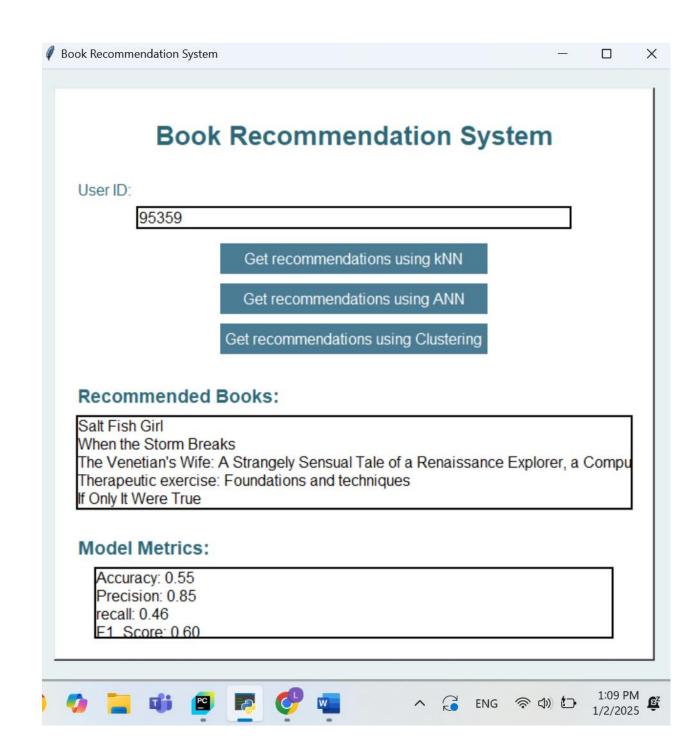




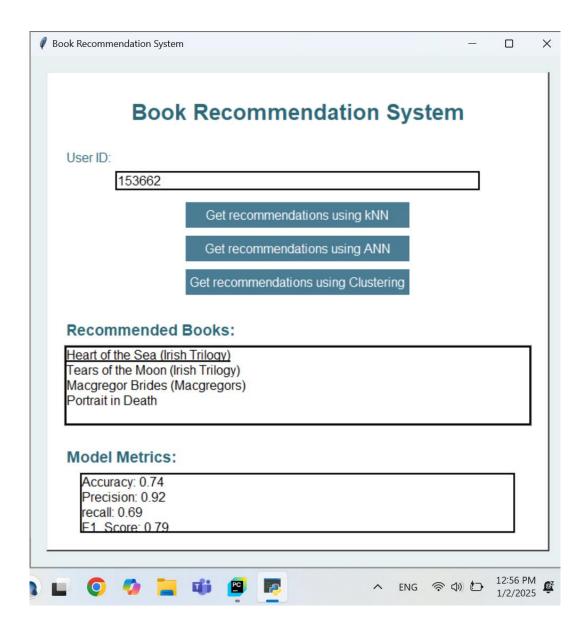


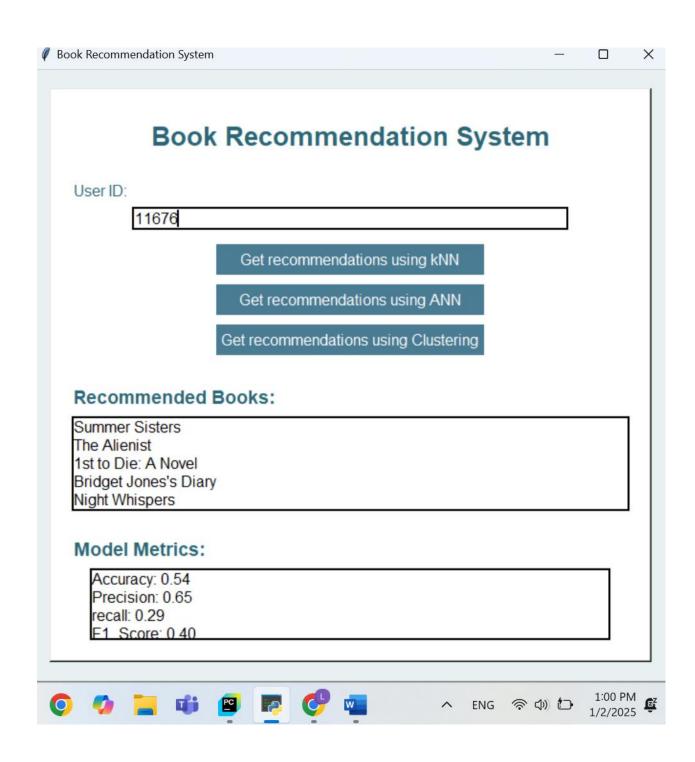


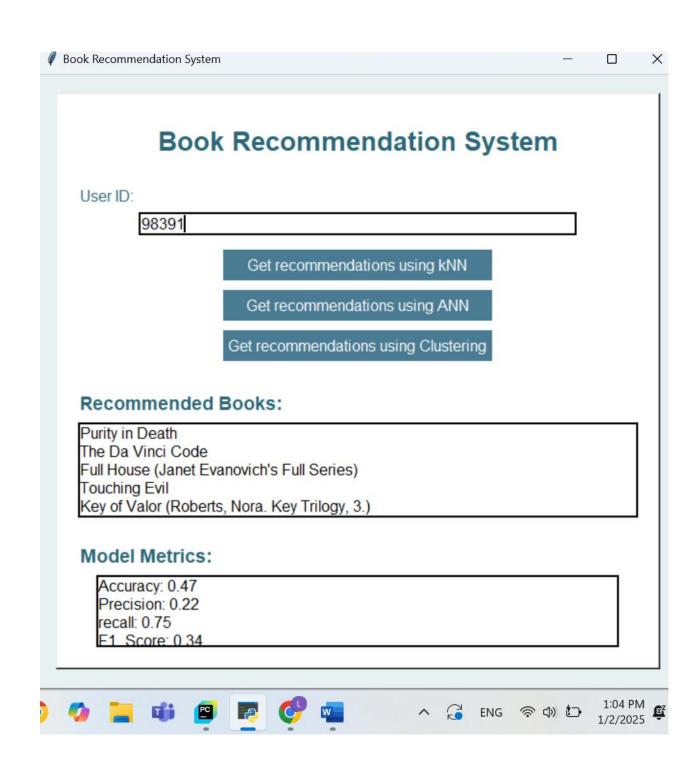




K-Nearest Neighbors







Precision: 0.50 recall: 0.77 F1 Score: 0.61





















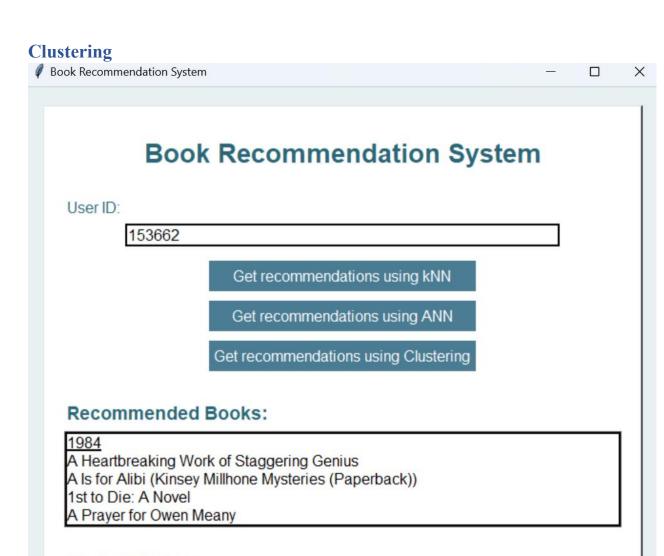












Model Metrics:

Accuracy: 0.27 Precision: 0.89 recall: 0.20 F1 Score: 0.33



























