Personalized, Diverse content

Hybrid Recommender system

(Person

(ollaborative Based Filterina (diverse content)

Weighted approach

(ontent Based → Songs metadata + attributes)

Similarity matrix

Recommendation

Collaborative filtering - Item-Vser interaction matrix
Jinilarity score

a) User Based b) Item Based

Recommendation

(ontent Based → Songs data → tempo dancealility

track Id

artist genre

Collaborative —, 97 lahh rows track Id User Id Playcount

Streamlit app — [Song] — (ontent Base — Sinilar song (Personalized)

New song

Mybrid System.

Detailed EDA — Both song, User-Item

Detailed EDA → Both song, User-Item

Streamlit app → Phase I - Content Based

→ Phase II → Collaborative

Phase III → Nybrid system