



Indian Institute of
Information Technology

Lucknow

PODCAST RECOMMENDATION WEB APP

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WHAT IS A PODCAST ?

Podcasts are digital audio programs.

In a conversational or narrative format.

HOW RECOMMENDATIONS WILL HELP?

Discover **new** and **relevant** podcasts

Increase **engagement** and **retention**

Personalisation:

Based on a user's listening history and preferences.

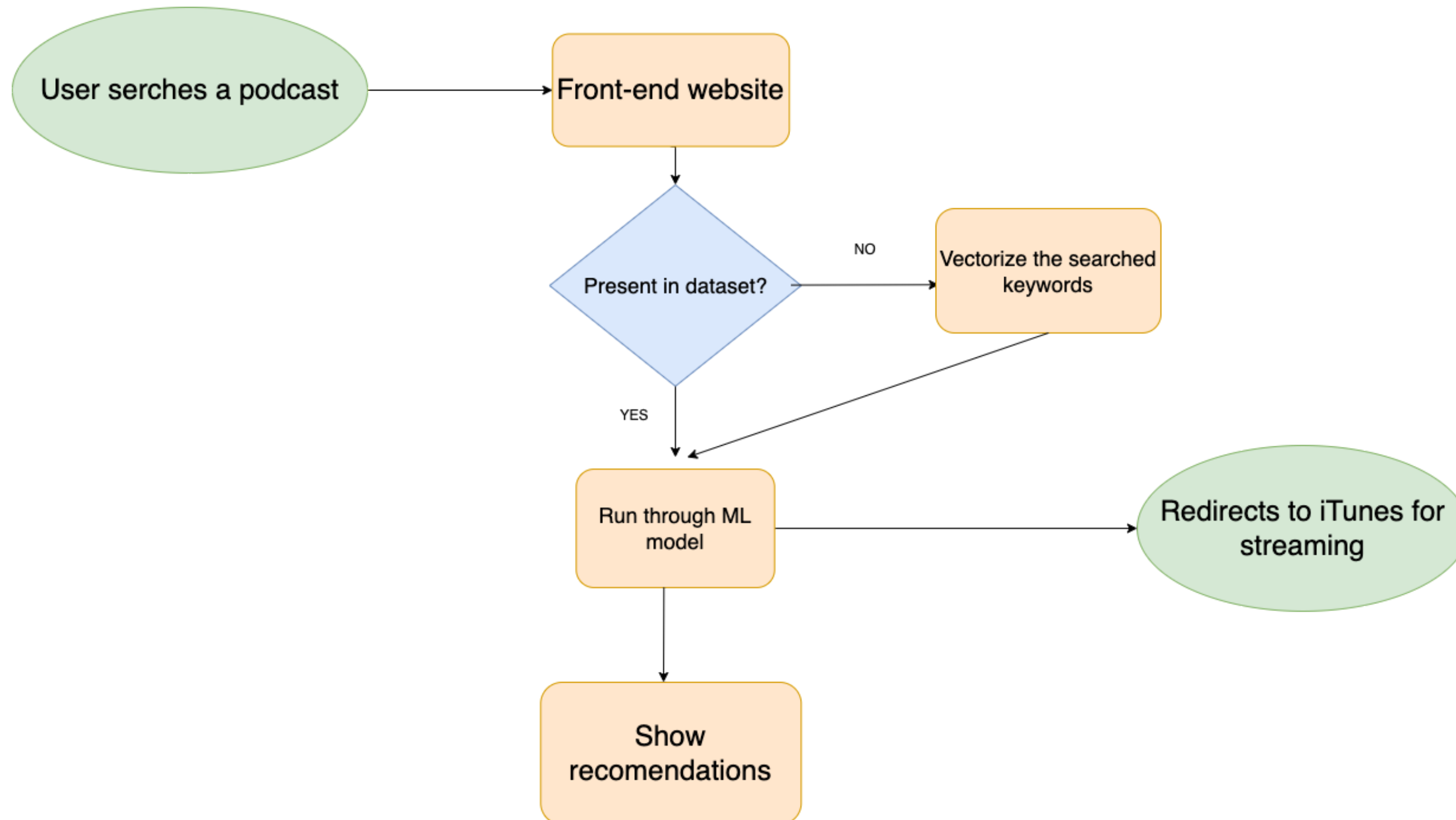
OUR MOTIVATION

Problem: How to discover similar podcasts ?

Recommendations and search features often fall short.

Personalised searching using keywords.

WORKFLOW DIAGRAM



ML MODELS APPLIED:

1. Affinity Propagation
2. K-Means
3. Agglomerative Clustering
4. Word2Vec + Cosine Similarity
5. Tf-Idf + Cosine Similarity
6. GloVe + Cosine Similarity
7. BERT Encoding

EVALUATION MEASURES:

1. Cosine Similarity
2. Human Feedback Rating
3. Diversity
4. Serendipity

This is a content-based recommender system for podcasts.
It recommends podcasts based on their textual description and similarity to the selected podcast.

Search using keyword:

Enter a keyword to get podcast recommendations:

Football and Brain

Get Recommendations



Fantasy Footballers - Fantasy Football Podcast

★★★★☆ [4.8]

Listen on iTunes



The College Football Podcast With Herbie & Pollack

★★★★☆ [4.0]

Listen on iTunes



RotoUnderworld Radio - Fantasy Football Show

★★★★☆ [4.5]

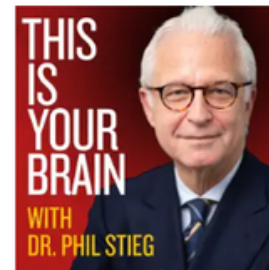
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Sports Gambling Podcast

★★★★☆ [4.8]

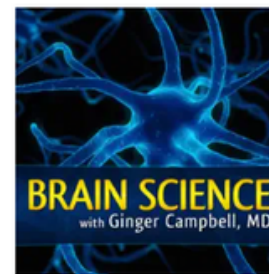
Listen on iTunes



This Is Your Brain With Dr. Phil Stieg

★★★★☆ [4.8]

Listen on iTunes



Brain Science with Ginger Campbell, MD: Neuroscience for Everyone

★★★★☆ [4.7]

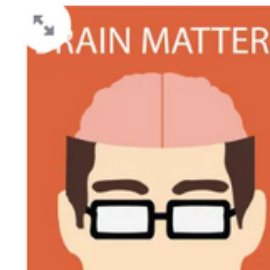
Listen on iTunes



PFF Fantasy Football Podcast with Jeff Ratcliffe

★★★★☆ [4.9]

Listen on iTunes



Brain Matters

★★★★☆ [4.5]

Listen on iTunes



The Paul Finebaum Show

★★★★☆ [4.0]

Listen on iTunes



Kwik Brain with Jim Kwik

★★★★☆ [4.8]

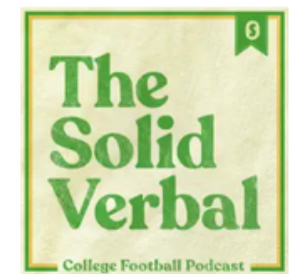
Listen on iTunes



Football Ramble Daily

★★★★☆ [4.9]

Listen on iTunes



The Solid Verbal

★★★★☆ [4.8]

Listen on iTunes

FUTURE SCOPE AND CHALLENGES

- Multi-Language Recommendations
- Recommendation based on user listening history
(Collaborative Filtering)
- Creating User Profiles
- Adding Authentication

THANK YOU!