

# Project Proposal: FindYourAnime

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**Introduction:** FindYourAnime is a recommendation system designed to help users discover new and exciting anime titles that align with their unique preferences, moving beyond mainstream suggestions.

**Dataset:** We will primarily utilize the extensive data available on MyAnimeList, including user ratings, reviews, genres, themes, and other metadata.

**Ratings:** Our system will focus on users' explicit numerical ratings. Additionally, we may explore incorporating sentiment analysis techniques to extract preferences from user reviews.

## Techniques:

- **Hybrid Recommendation Approach:** We will implement a powerful combination of the following:
  - **Collaborative Filtering (User-Based or Item-Based):** To identify similar users or anime based on rating patterns.
  - **Content-Based Filtering:** To leverage the rich metadata associated with anime (genres, themes, animation style, studios) for fine-grained recommendations.
- **Exploration Techniques:**
  - "Surprise Me": Suggest anime outside a user's typical comfort zone.
  - "Hidden Gems": Recommend highly-rated but less popular titles within a user's favorite genres.

## Web App:

We will develop a user-friendly web application to deliver recommendations and enhance the user experience. Key features will include:

- **Intuitive Search:** Allow searching by title, genre, studio, and more.
- **Recommendation Display:** Visually appealing presentation of recommendations, including posters and synopsis.

## Focus and Goals:

Our focus with FindYourAnime is to help users break out of the mainstream and find anime they'll truly love, even if they don't always follow popular trends. Our primary goals are:

- **Accuracy:** Provide relevant and personalized recommendations.
- **Discovery:** Facilitate the exploration of new and lesser-known anime.
- **User-Friendliness:** Intuitive web application that enhances the recommendation experience.