

MODIFY ME

Where AI Meets Emotion





How can AI make the world a better place?



Helping and inspiring people

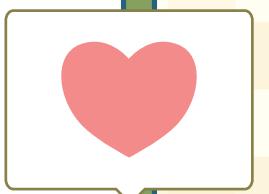
Improving mental health

Supporting artists and real art

Dear Journal

The weight of the world feels
a little heavier today.

My heart aches in a language
only silence understands



It's okay not to be okay

Here's what we recommend

Feel-good movies to lift your spirits

Songs to connect with your emotions

Funny memes to brighten your day



Groundbreaking Features

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Integrated Mood Prediction

Combines NLP and advanced machine learning models for text analysis.

Culturally-Tailored Recommendations

Uses a custom database of culturally relevant media for personalized content.

Mood Prediction Pipeline

Main Dataset

GoEmotions dataset

Over 58,000 labeled Reddit comment

Categorized into 28 distinct emotions

Created by Google Research

Challenges

**High Number
of Emotions**

**Class
Imbalance**

**Multi-Label
Classification**

Text Preprocessing

- Handling Emojis and Slang
- Basic NLP Steps

Tokenization

Stopword removal

Text cleaning

BERT

transformer-based model

contextual understanding

Performance Evaluation

Metrics such as accuracy and precision.



Feature Extraction & Model Setup

BERT Fine-Tuning

Adjust hyperparameters for optimized performance

Data Cleansing

Standardize text, translating emojis and handling contractions, special characters, and acronyms



Handling the "Neutral" Class

Filtering Neutral Entries

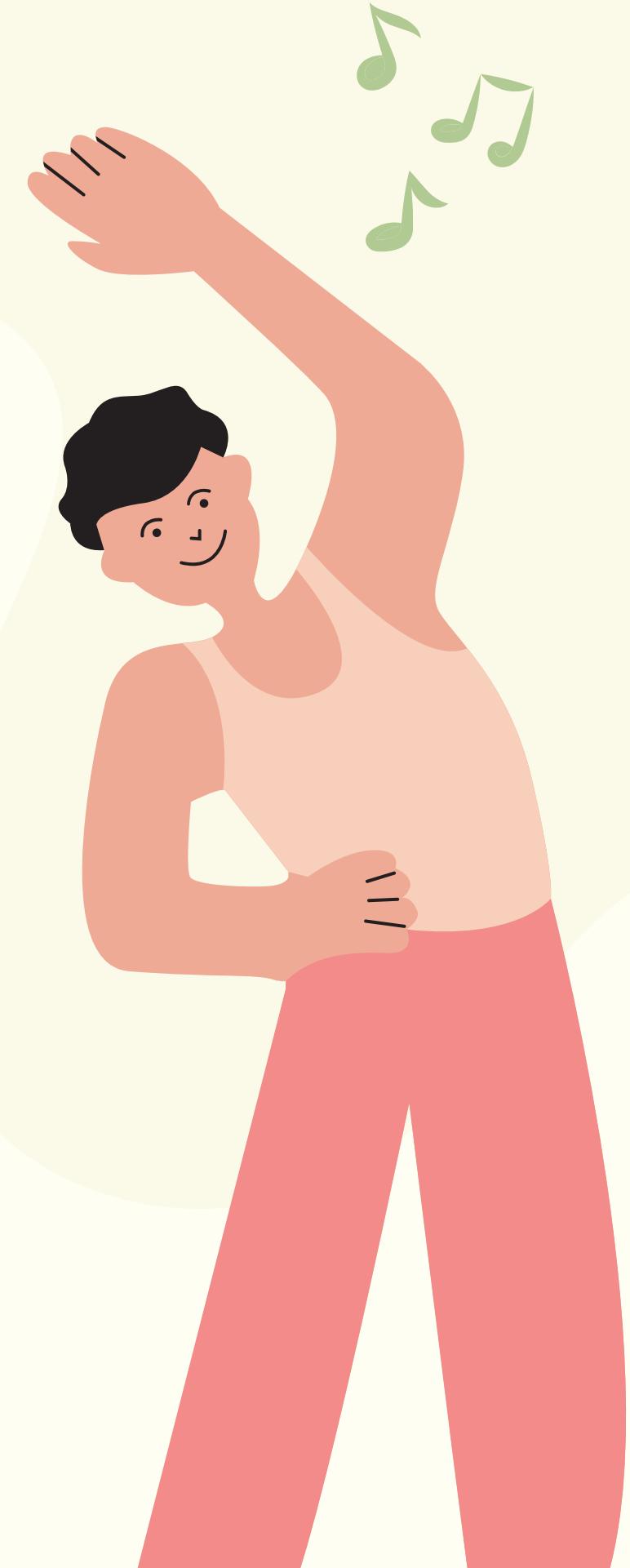
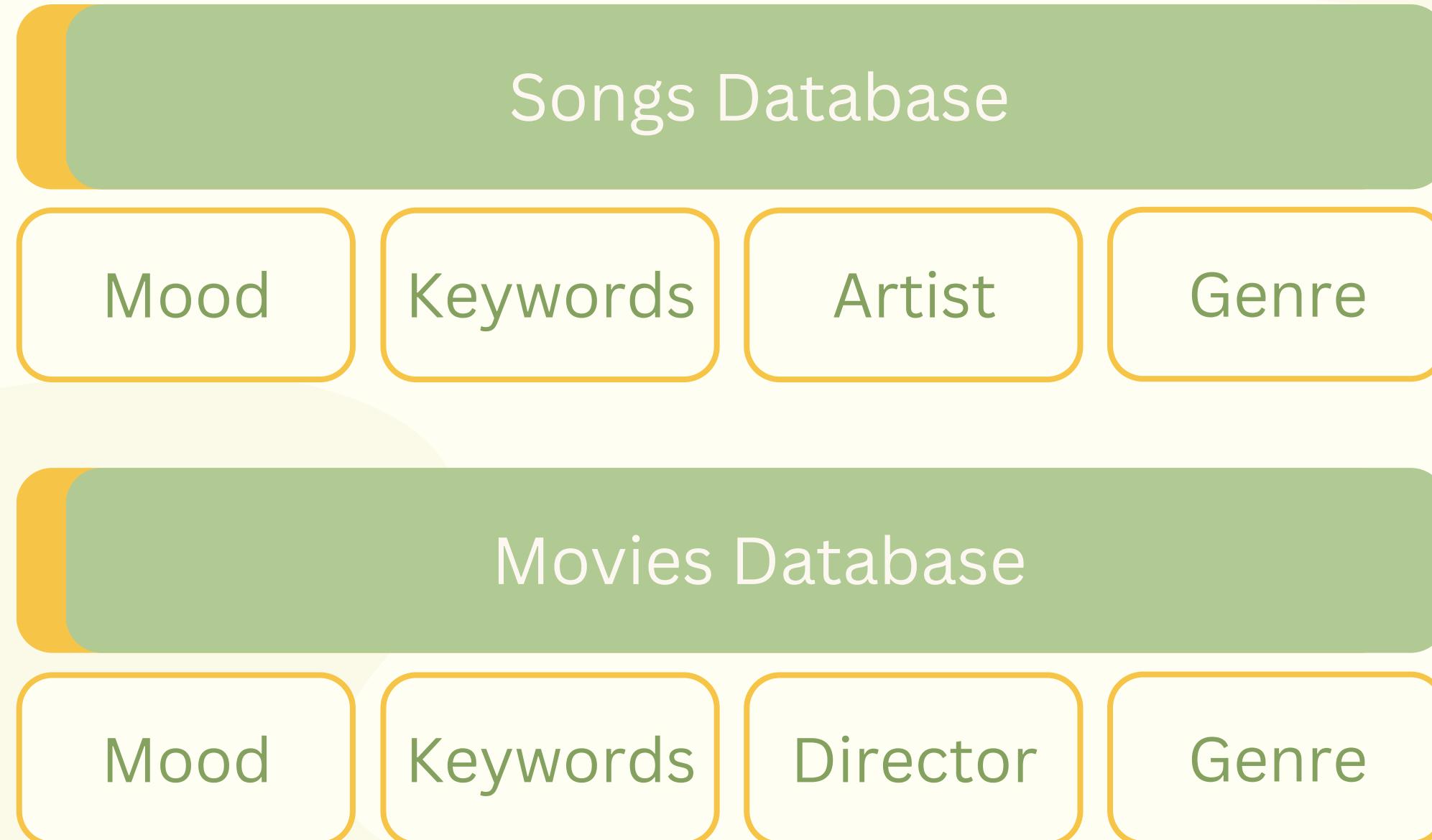
Exclusion to reduce model confusion

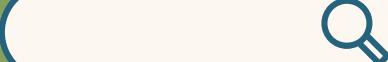
Reclassification or Custom Weighting

Reclassification into a more relevant emotional category or apply custom weighting

Application Design

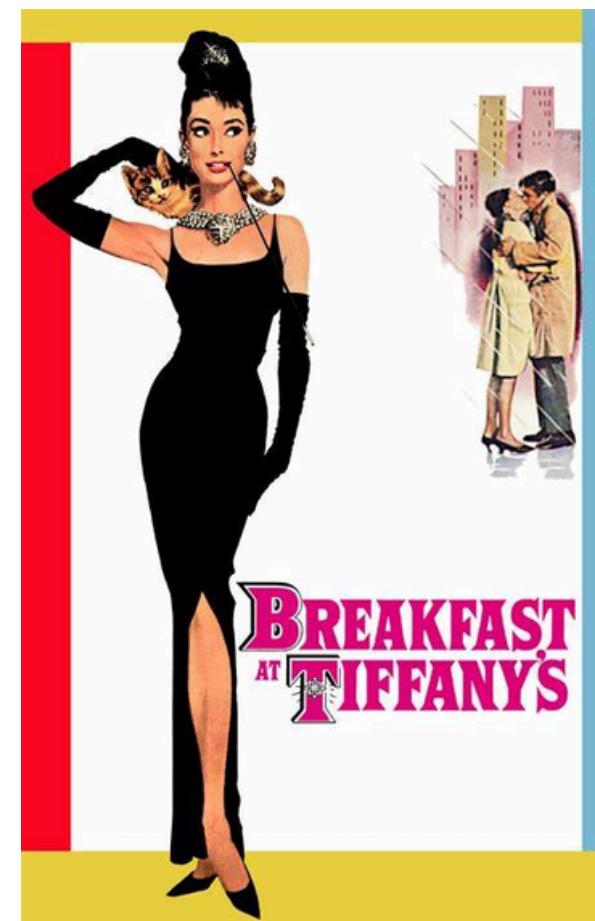
Database Design





Recommendation system

You're feeling nostalgic...Relive the magic
of the past with these timeless movies



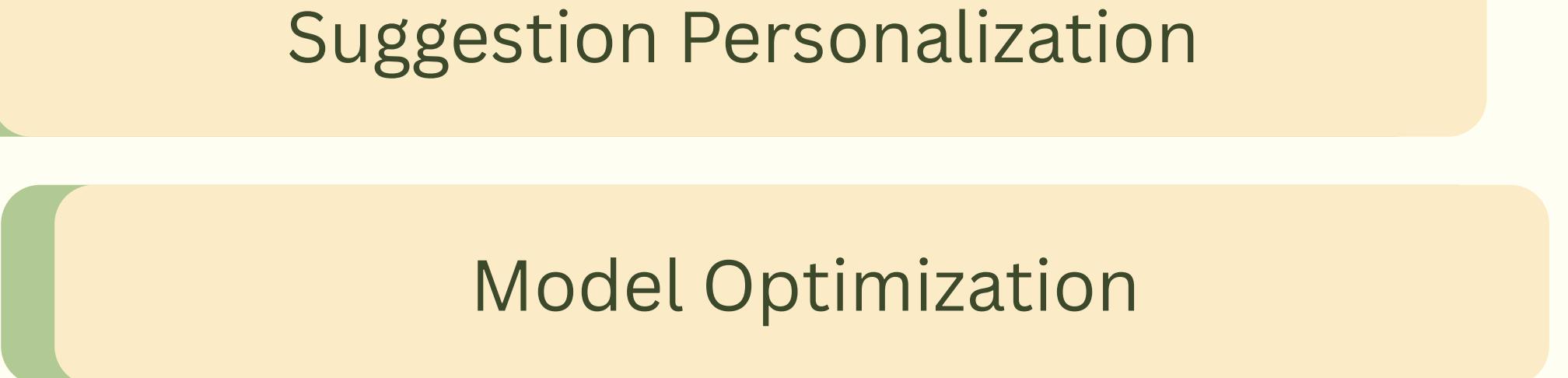
Planned Improvements



Database Expansion



Suggestion Personalization



Model Optimization

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“Artificial intelligence and algorithms must always be at the service of human life, not the other way around.”

– Pope Francis

