

# MOODSYNC

— An AI music rec system

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# PROBLEM STATEMENT

## Background:

What is **music**?

- entertainment
- process, reflect, enhance emotion
- therapy
- ...

How are **old music rec systems** like?

- generic keyword searches from sea of music choices
- no personal preference considerations
- cannot resonate with user's mood state

## Solution:

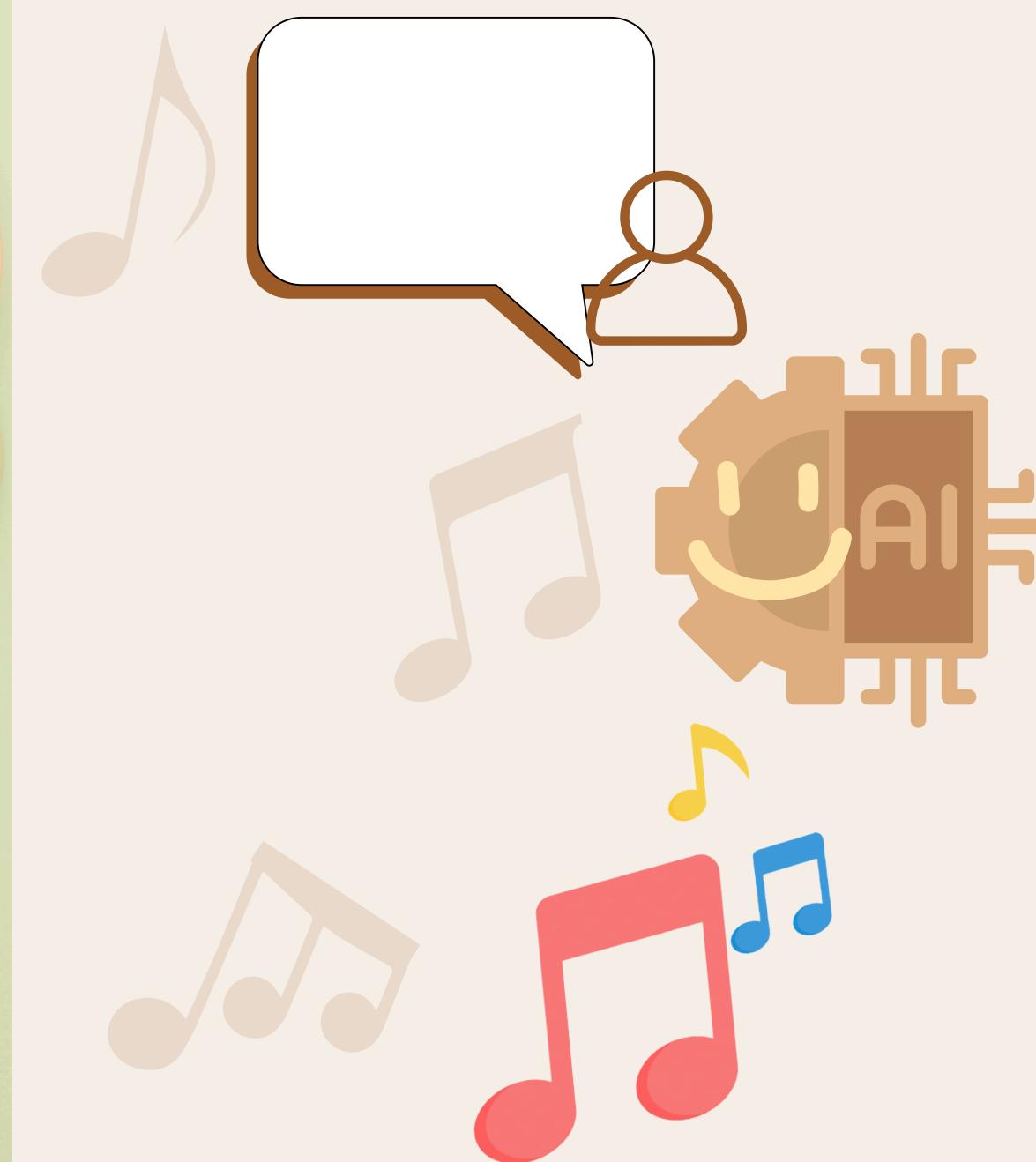
MoodSync - a personalized system.



# TARGET AUDIENCE



# Unique Value Proposition



## 1. Human-Like Experience

Personalized, interactive, and conversational experience.

No more  
**generic searches or irrelevant content!**

## 2. Empathetic Music Recommendation

Experience music suggestions that empathize with your emotions.

No more  
**rigid genre classifications or predefined mood categories**

## 3. Open-source Open access



No more **monopoly!**

# TECHNICAL IMPLEMENTATION



## Infrastructure



### Model Training/Deployment

- Vertex AI

### Data Storage

- Google Cloud Buckets

### Portability/Consistency

- Docker



## Technical Scalability



### Training Scalability

- Vertex AI Pipelines

### Model Scalability

- Vertex AI Online Prediction



## Performance Optimization



### Fine Tuning

- Prompt/Playlist pairs
- Understanding nuanced inputs (slang, implicit emotions, etc.)
- Response format

### RAG Setup

- Genius.com Lyrics & Annotations
- Song artist, genre, release dates

# FUTURE DEVELOPMENT AND GROWTH POTENTIAL



## Market Expansion Potential



- Integrate with leading music streaming platforms
- Explore B2B applications for employee wellbeing
- Adapt technology for other content domains (e.g. podcasts, audiobooks)



## Technical Roadmap

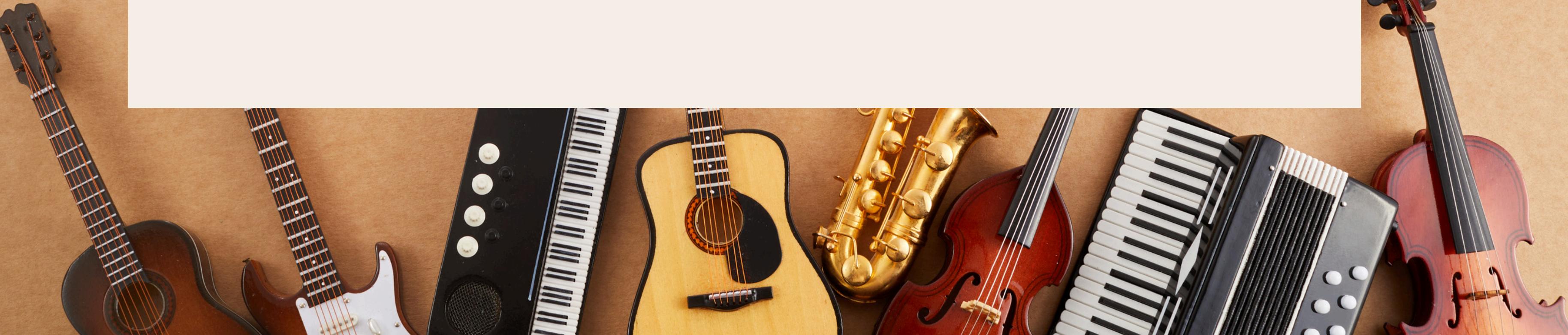


- Implement CI/CD pipeline for automated testing and deployment
- Leverage Kubernetes for efficient container orchestration
- Enhance front-end user experience





THANK YOU.  
MOODSYNC



# ANY QUESTION?

