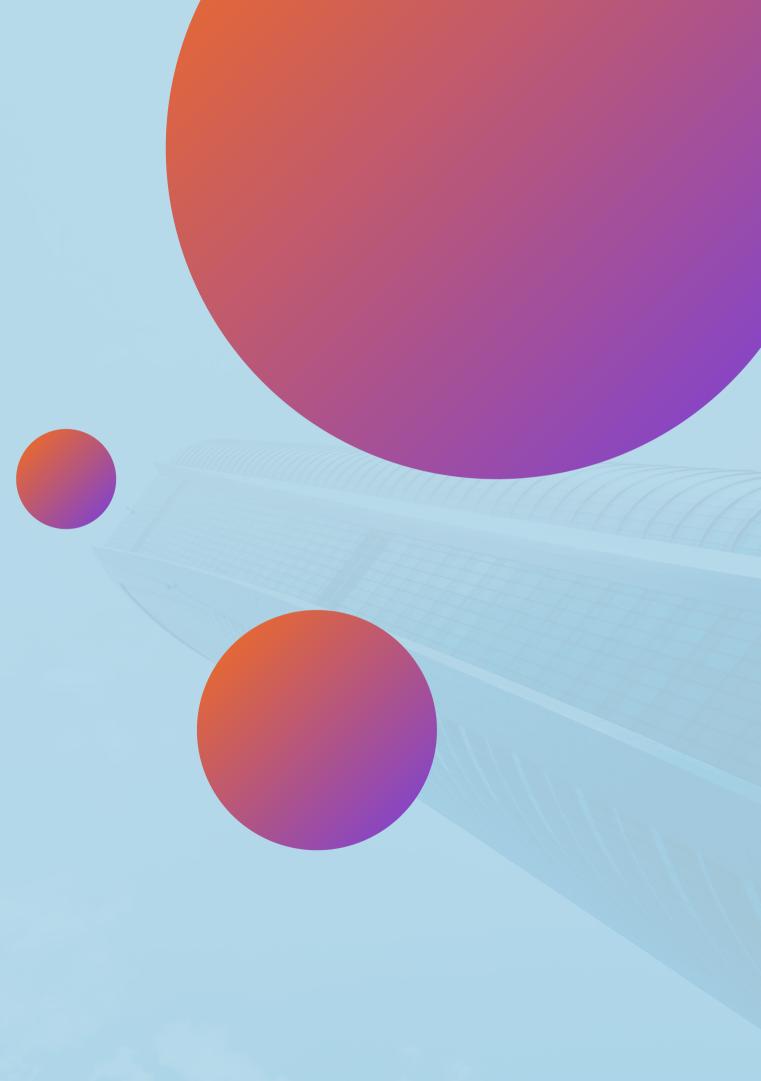# Introspecti wave - visioneers

PROBLEM ?

- Music is a complex and abstract art form that can evoke a wide range of emotions and feelings.

- Conveying the essence and emotions of a piece of music to others in a visual form can be challenging

Our Target Audience

Identifying Our Audience

- Introduce the intended audience for the project
- Describe their characteristics, interests, and preferences.
- Explain why this audience is relevant to the project's goals.
- Highlight how the project aims to engage and resonate with them.

Engaging Music Lovers

- Explain that this audience has a deep passion for music.
- Emphasize their appreciation for music's emotional and artistic aspects.
- Describe how emojifying music enhances their connection with music.

Catering to Visual Learners

- Define visual learners and their learning preferences.
- Describe how visual representations of music enhance understanding.

Captivating Social Media Users

- Identify the audience that actively engages on social media platforms.
- Explain the familiarity and widespread use of emojis in online communication.
- Describe how emoji music offers visually appealing content for sharing.

PROPOSED SOLUTION

01

Utilizing EnCodec Neural Network:

- Use EnCodec neural network (Facebook) to convert music into vector embeddings.
- Extract comprehensive music features for subsequent visualization.

02

Emoji-based Visual Representation:

- Translate vector embeddings into visuals with emojis.
- Emojis capture intricate music emotions and characteristics.

03

Mapping Emojis to EnCodec Embeddings:

- EnCode embeddings to corresponding emojis.
- Unparalleled, expressive way to share music visually.

04

:Creating Unique Music Visualization:

- Fuse EnCodec embeddings and emojis for novel music visualization.
- Introduce entirely fresh dimension to music communication.

TECHNOLOGIES USED

- Python
- Pytorch

WORKFLOW

- Use EnCodec neural network to derive vector embeddings from music tracks.
- Capture high-level music features and patterns in these embeddings.
- Develop mapping scheme linking EnCodec embeddings to specific emojis.
- Utilize different dimensions of embeddings for mapping to mood, tempo, melody, etc.
- Select suitable emojis for each EnCodec embedding using the mapping scheme.
- Choose from predefined emojis or a continuous spectrum.
- Arrange emojis into a visual grid or sequence representing the music.