



- New chat
- Search chats
- Library
- Projects
- GPTs
- Explore
- Code GPT

Chats

Conversation topics with frie...

Fixing class path error

MERN platform for music

Learn ukulele quickly

App explanation

Calculate cos(theta)

General - 100% (1)

So I found out that there is a pretty decent need for a website which helps u play with the seven notes and store the combination you like. I want to build one with the MERN stack. I don't know much about MERN, but as I am already learning, tell me what all I will need to build such a platform with good ui/ux. And it should have some crazy features, like if the user uploads a music or a song, it should generate a sequence of sa re ga ma pa gha ni sa's, which helps the user to sing??

This is actually a *perfect* MERN-stack project idea.

And don't worry that you don't know much yet — the skills you will learn while building **THIS** are the EXACT same skills any professional full stack dev uses.

What you will need (real, practical list)

M – MongoDB

- store user accounts
- store saved raga combinations



E – Express

- build REST APIs
- routes like
 - `/api/save-sequence`
 - `/api/get-my-sequences`
 - `/api/analyze-audio-upload`

R – React

- main UI/UX
- interactive raga display grid
- real-time playback
- waveform display (visual)

N – Node.js

- backend logic



extra tech you'll likely need

Need	Tech / Library
UI/UX	Tailwind CSS OR shadcn/ui (if you want super modern look fast)
music playback	Tone.js (very popular JS music synth lib)
audio upload parsing	Web Audio API (browser)
pitch detection	Meyda or crepe.js
file uploads backend	multer (express middleware)
login/auth	Clerk/Auth0 OR just JWT



Tone.js + Meyda combo = will give you the ability to detect pitch + generate tones from code.

the "crazy feature" you said — music to Sargam mapping

This is doable.

Basic pipeline:

- user uploads audio `.mp3` or `.wav`
- frontend → send file to backend
- backend uses pitch-detection (FFT, or pretrained model: `crepe.js`)
- pitch → nearest Indian note frequency mapping table

example:

- Sa – 240 Hz (example scale)
- Re – 270 Hz
- Ga – 300 Hz
- ...



 keyur

Free

Upgrade

ChatGPT can make mistakes. Check important info. See [Cookie Preferences](#).