

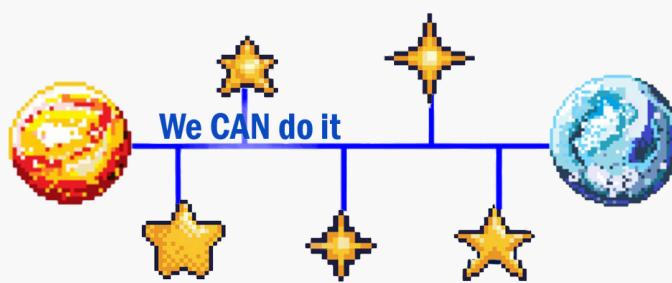
AstroCAN

Immerse in the Sounds of Space



PRESENTED AT
NASA International Space
Apps Challenge
2023

PRESENTED BY
We CAN do it



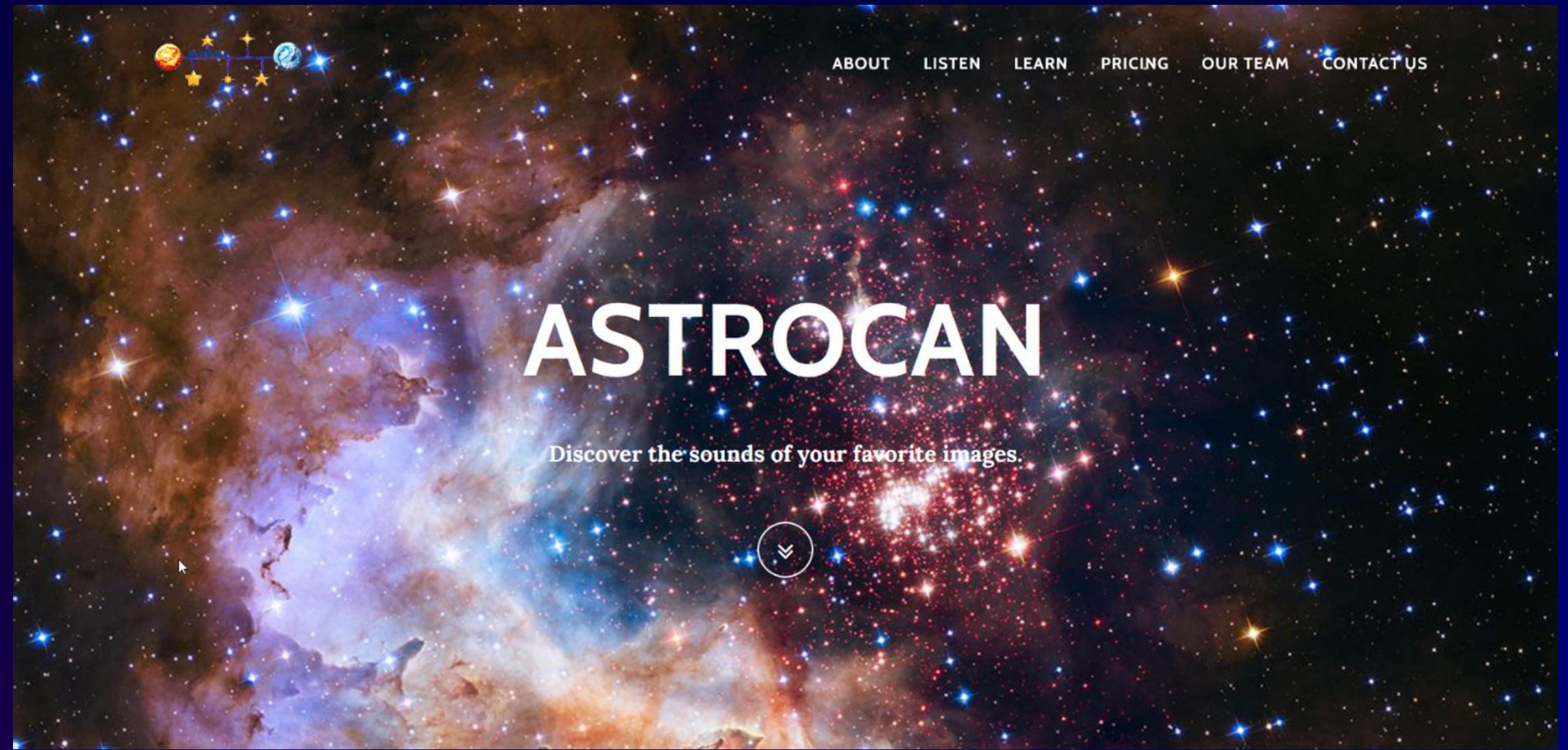
The challenge

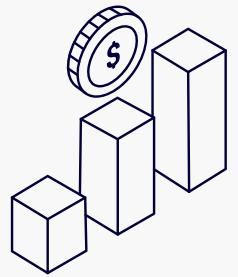
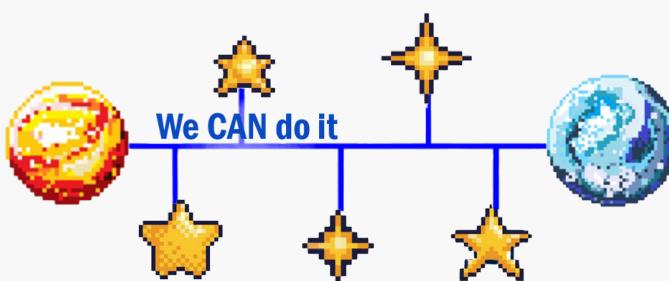
- Sonify 2D images and find a solution for real life problems using them
- Find the most sustainable way of using the acquired information



The solution

A meditation app that generates music based on the uploaded image, that focuses both on the mental wellbeing of the user and its thirst of knowledge.

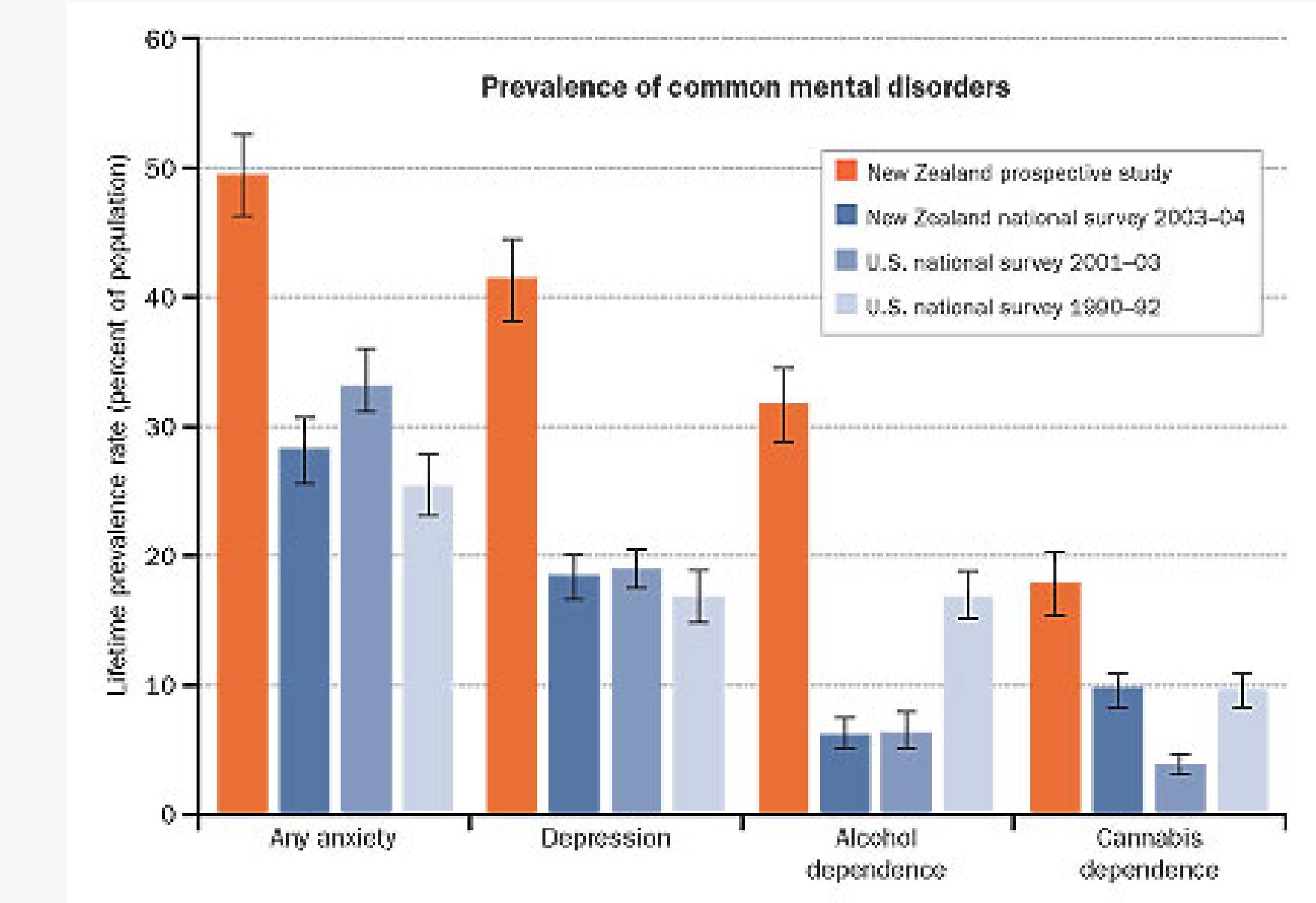


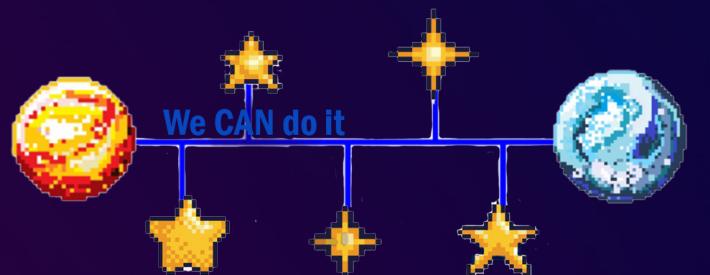


Our motivation

Major depression is a common and potentially lethal condition.

Early data suggest that the population-level burden of depression has been exacerbated by the COVID-19 pandemic.





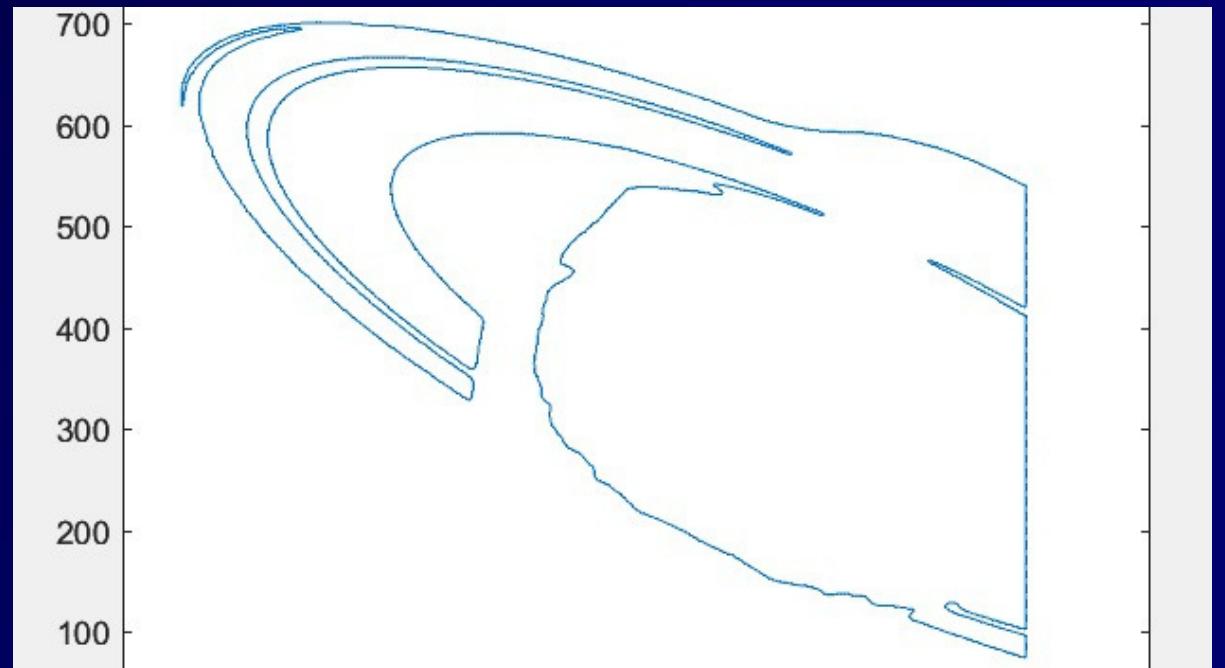
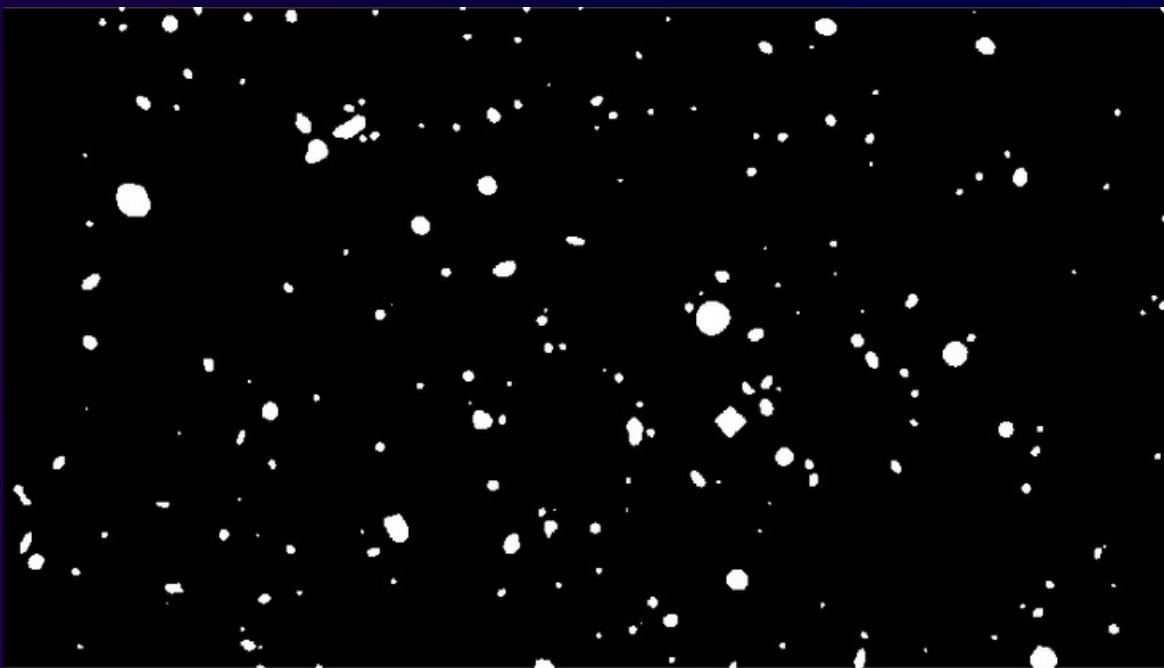
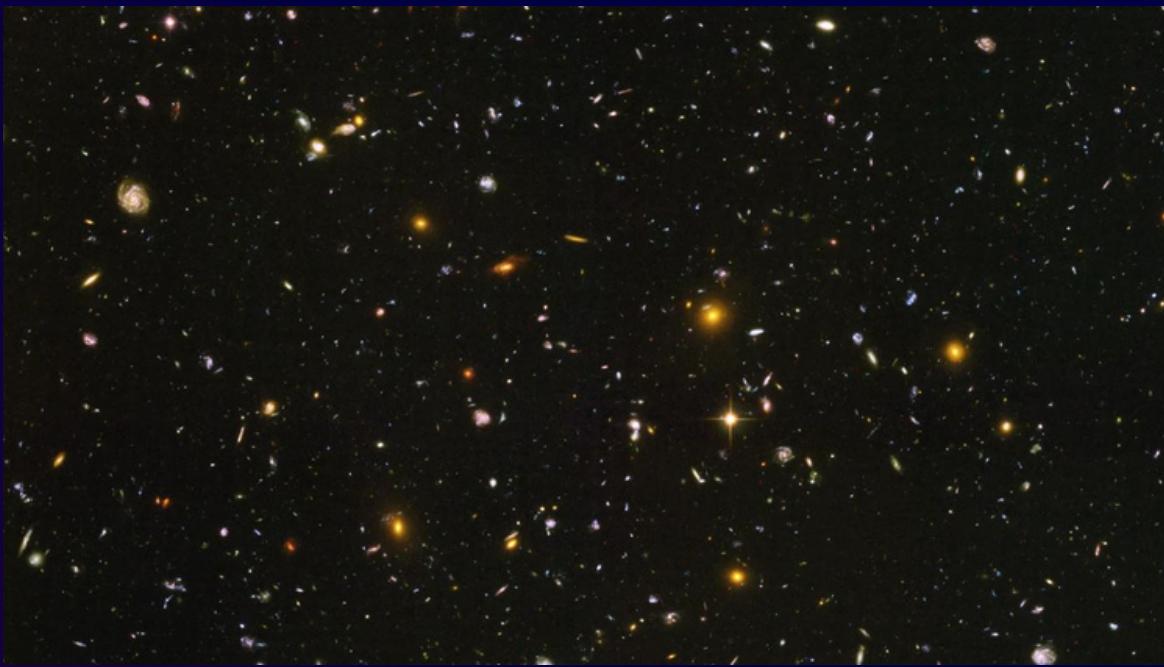
Complex mathematical formulas

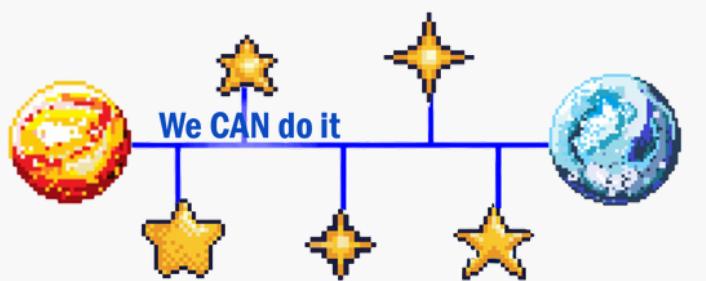
We used MATLAB and Python for image processing and sound generating.

Easy-to-use UI

We used HTML, CSS, React and Bootstrap in order to create a relaxing user experience.

Implementation





Sustainability

- 1 Simple UI, doesn't require a lot of energy to run
- 2 It enhances brain function, productivity etc. through meditation induced by calming sounds and visual stimulation
- 3 Servers that host data run on solar energy, as opposed to the starry night theme of the app
- 4 Raising awareness through educational videoclips
- 5 Offline premium content
- 6 Package-based content, profits come from Pro subscription service



Thank you for your attention.

**Feel free to ask us any
questions.**