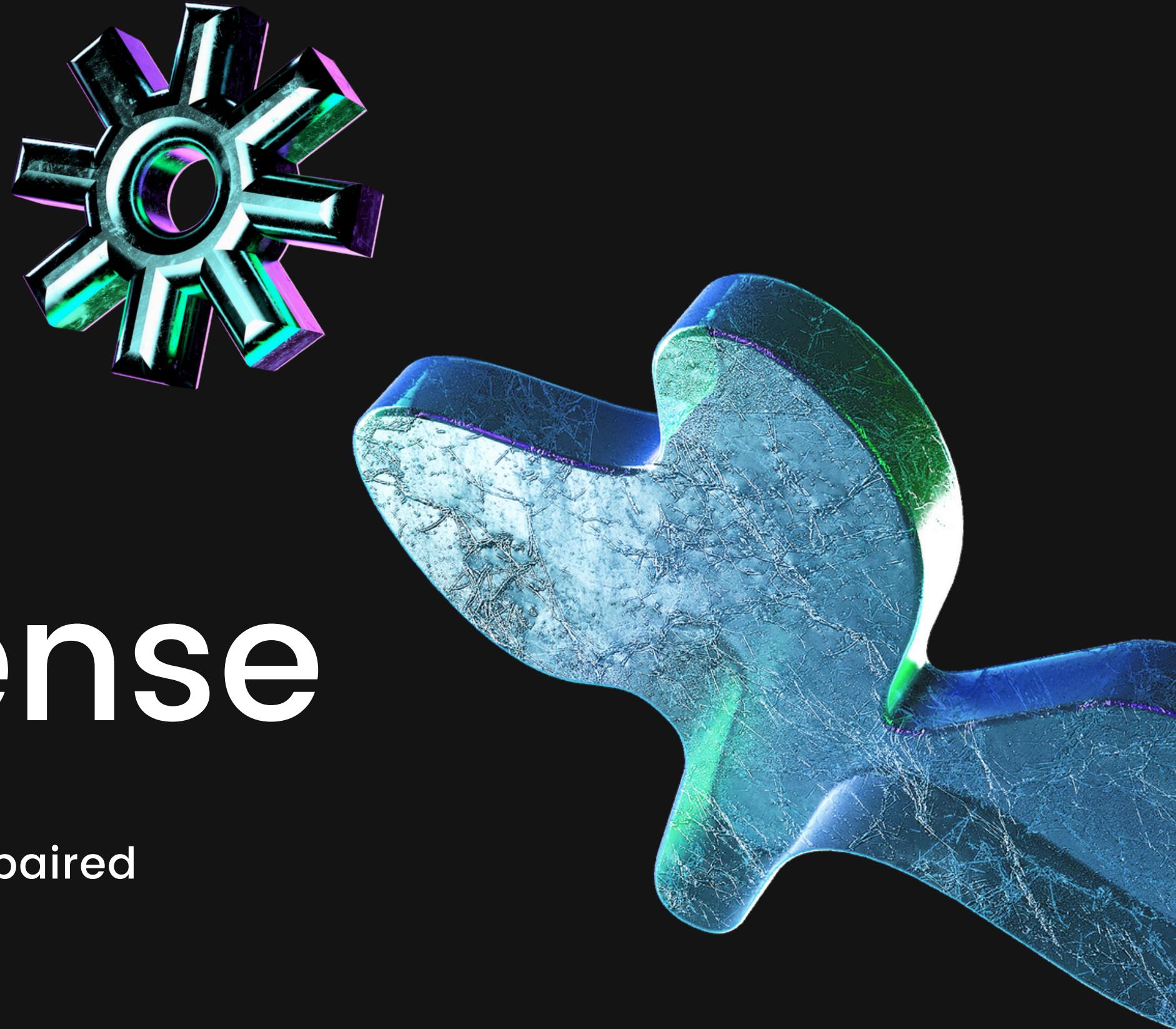


Super_I_Sense

-Image recognition specially for Visually impaired

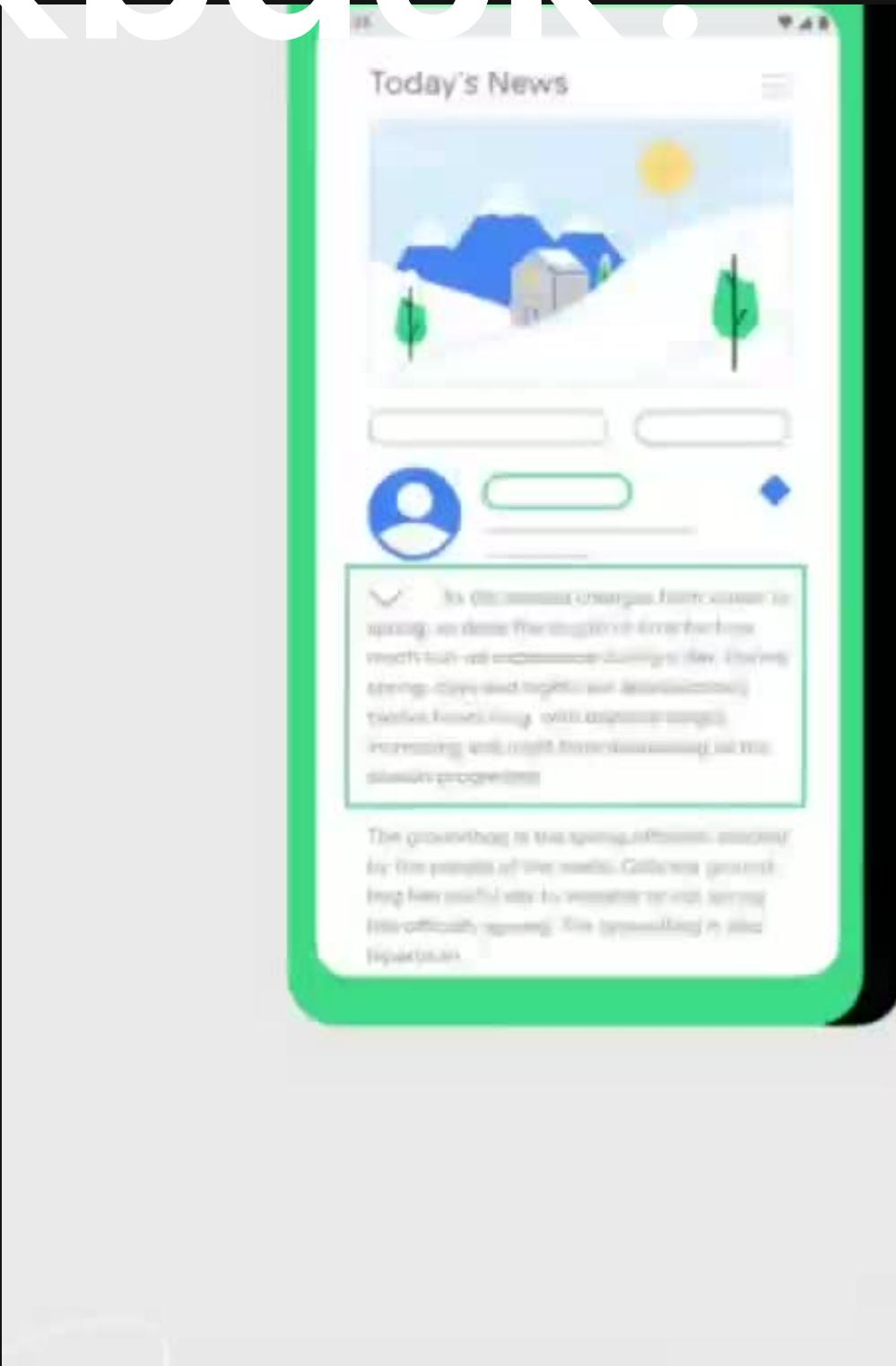


MISSION



Our aim is to create an interface which ultimately helps the visually impaired by detecting the objects and scenery in the image and assists them using voice

What is Talkback?



Talk Back

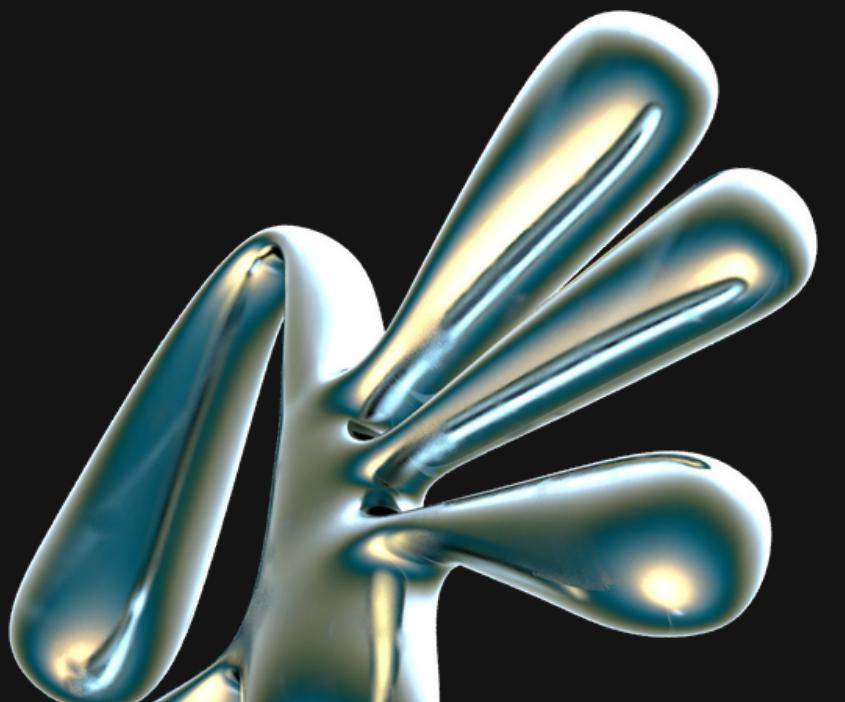


PROBLEM

Talkback feature in mobile phone tells the image's file name alone and doesn't explain the contents in the image.

SOLUTION

Our interface describes almost every objects and scenery present in the image.



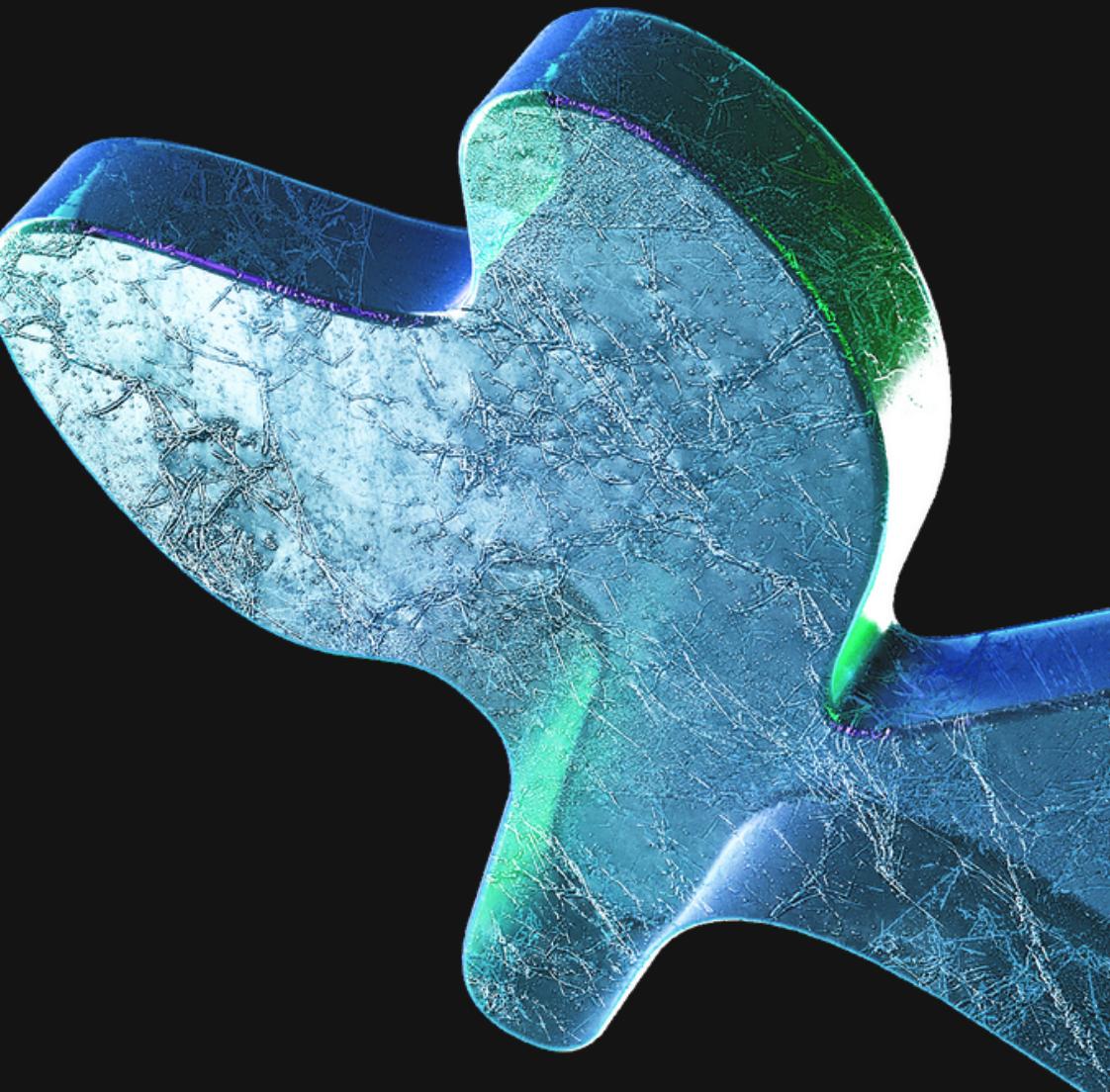
NOVELTY

The existing **TALKBACK** feature in today's gadgets can only voice out the actions done by the users

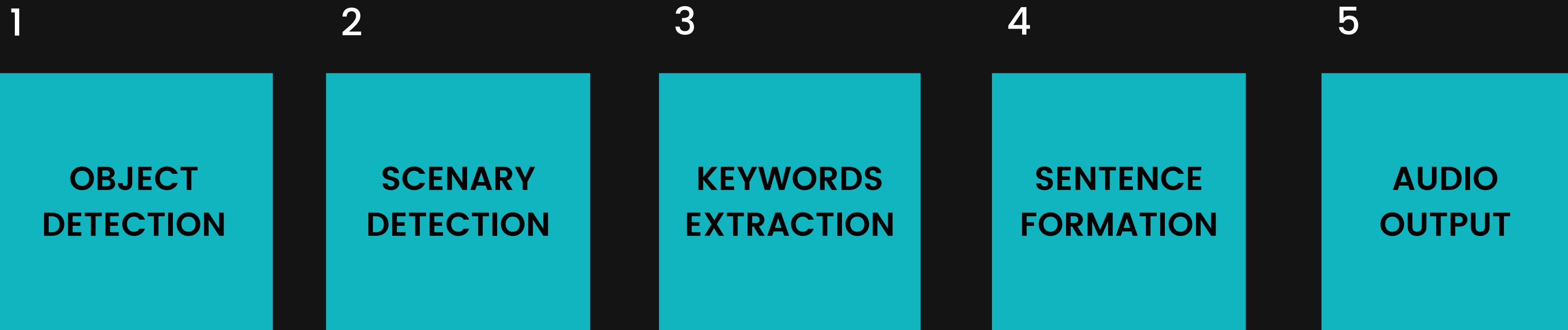
For EXAMPLE:

If an image opens, the TalkBack feature only speaks out the Filename and not the description of the image.

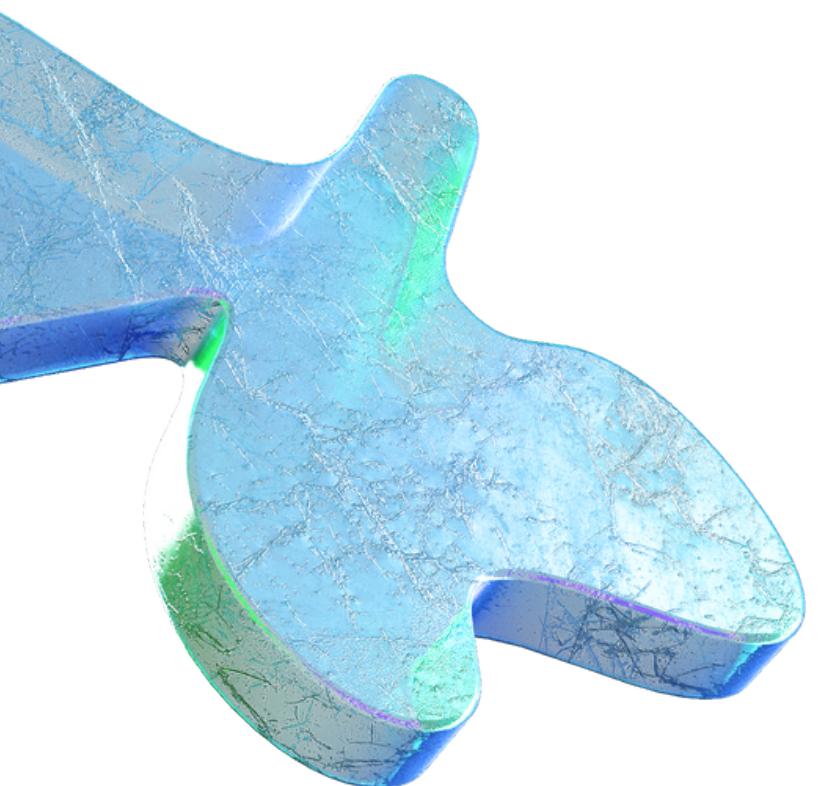
Here comes our **Super_I_Sense**, which can be Collaborated With the Talkback Feature. Hence it will be made available to everyone in the market.



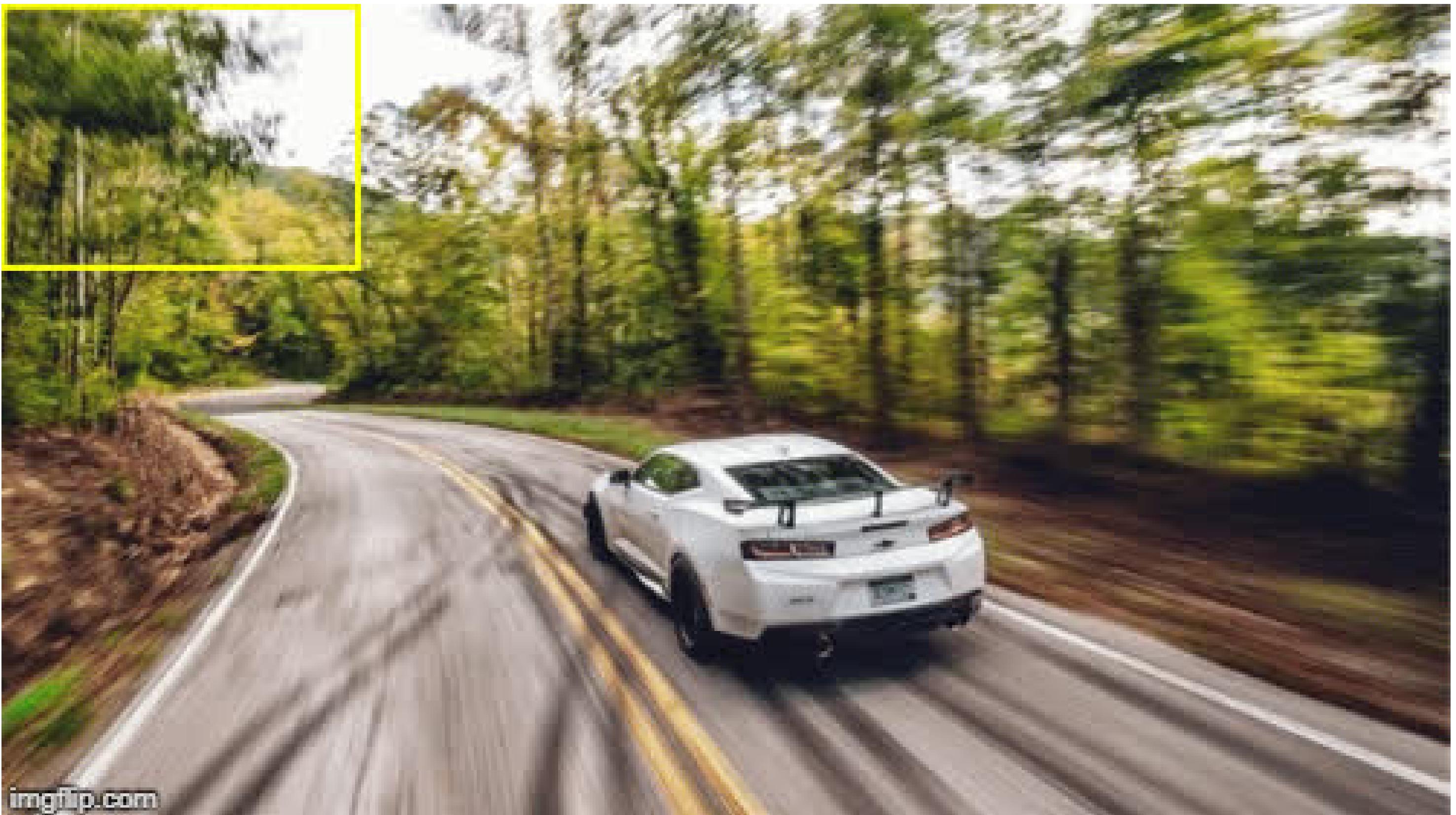
WORKFLOW



Object Detection

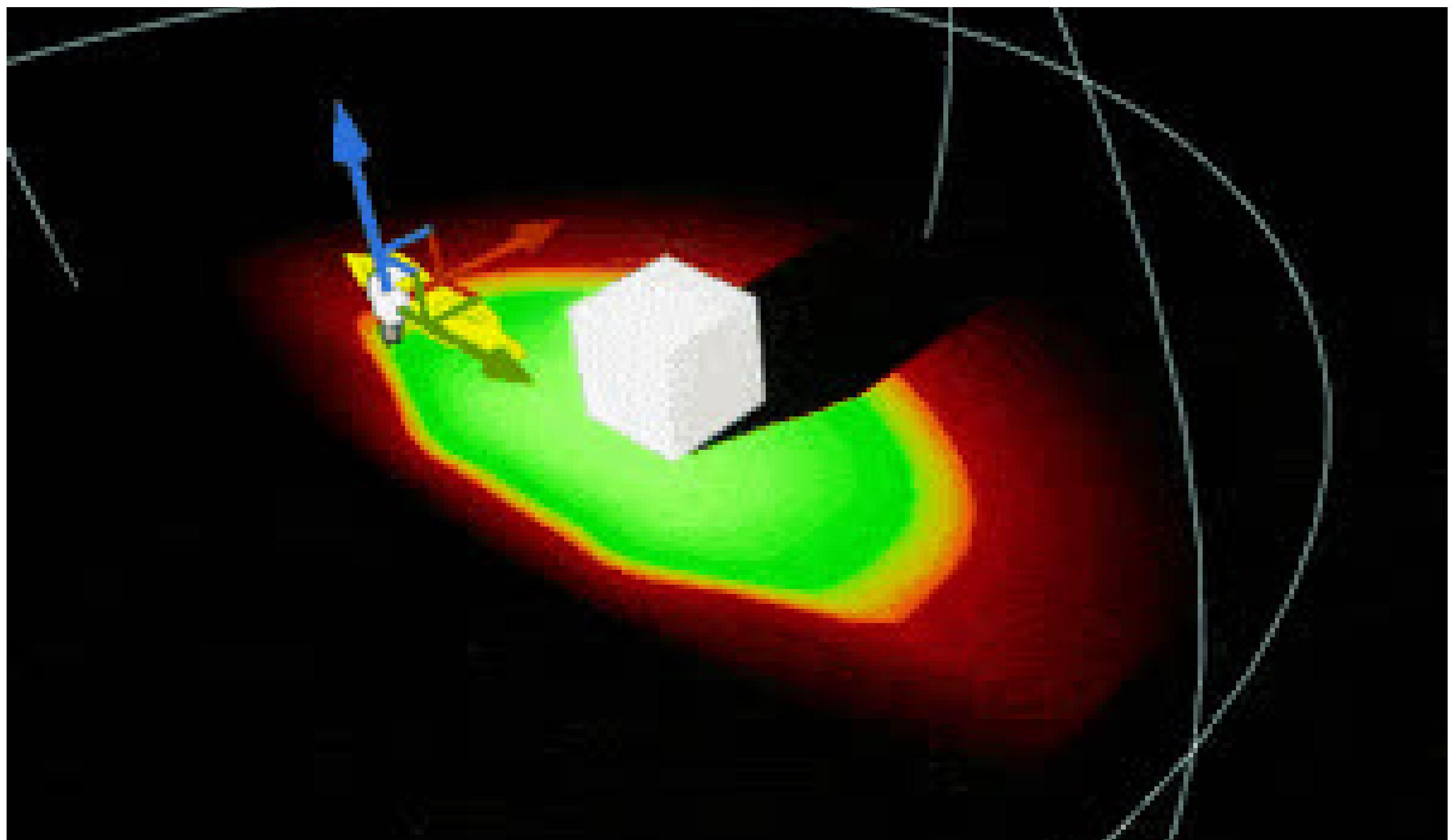


detects the
object present in
it by using YOLO



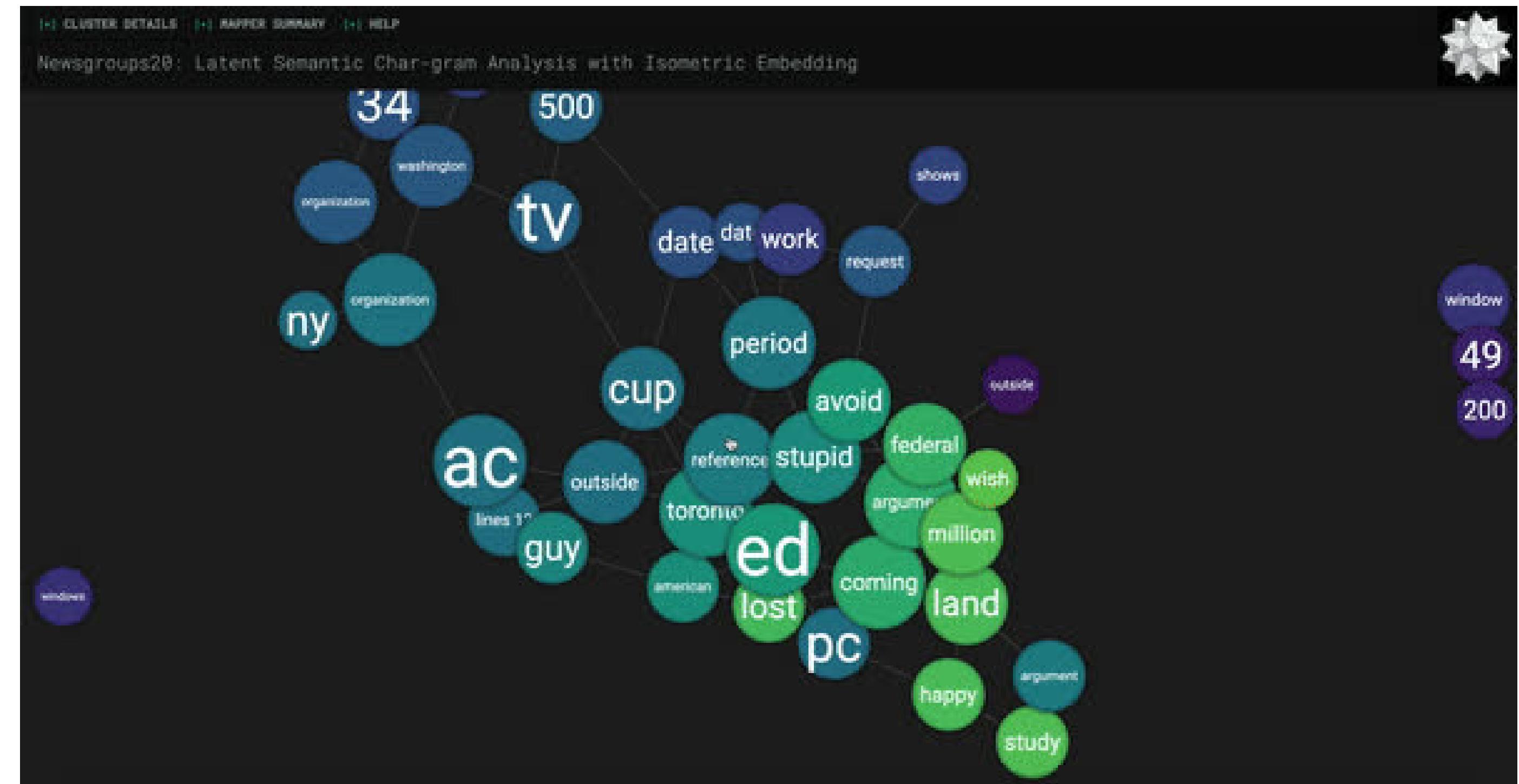
Scenery Detection

detects the scenery



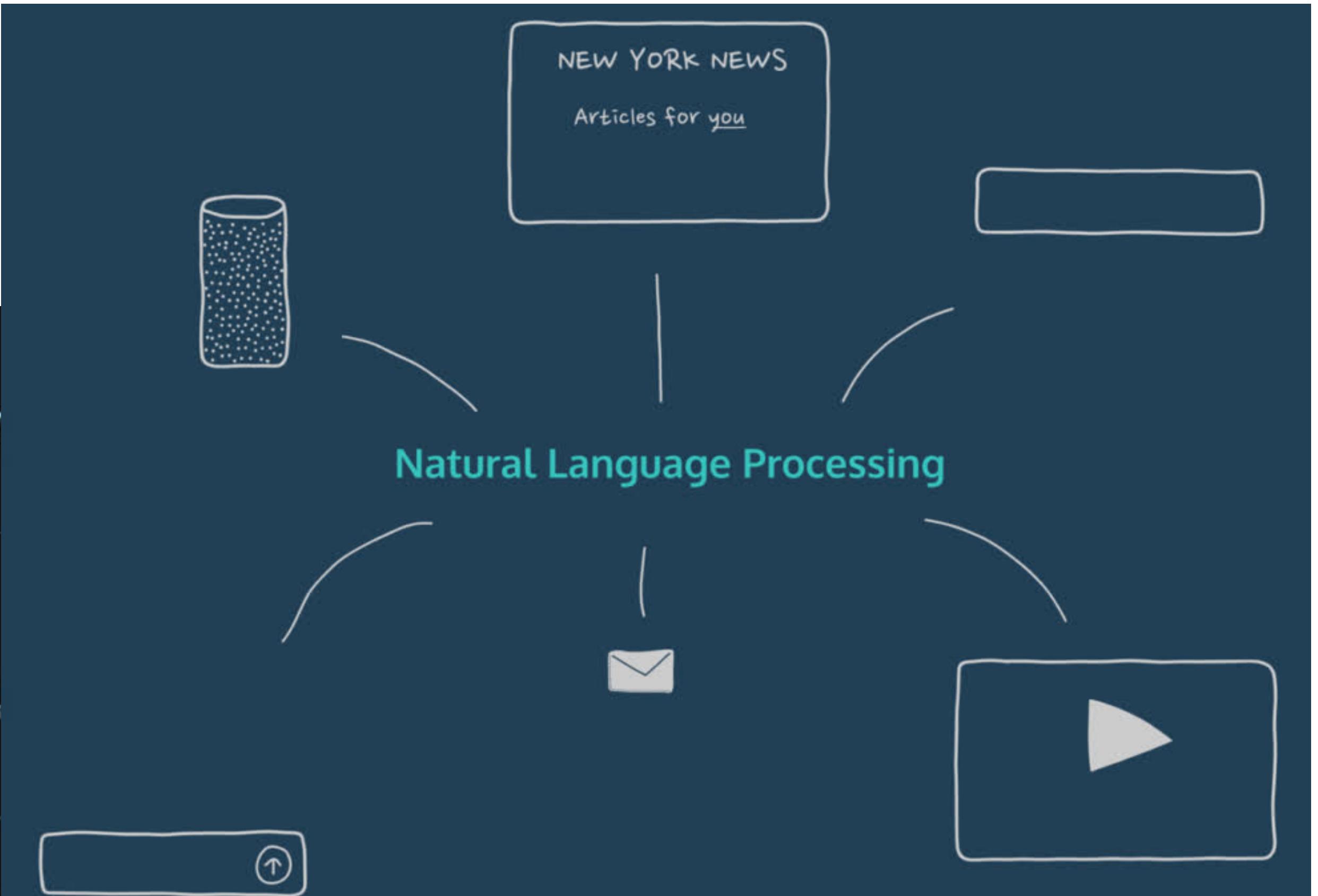
Keyword Extraction

extraction of keyword
by filtering in
maximum probable
manner.



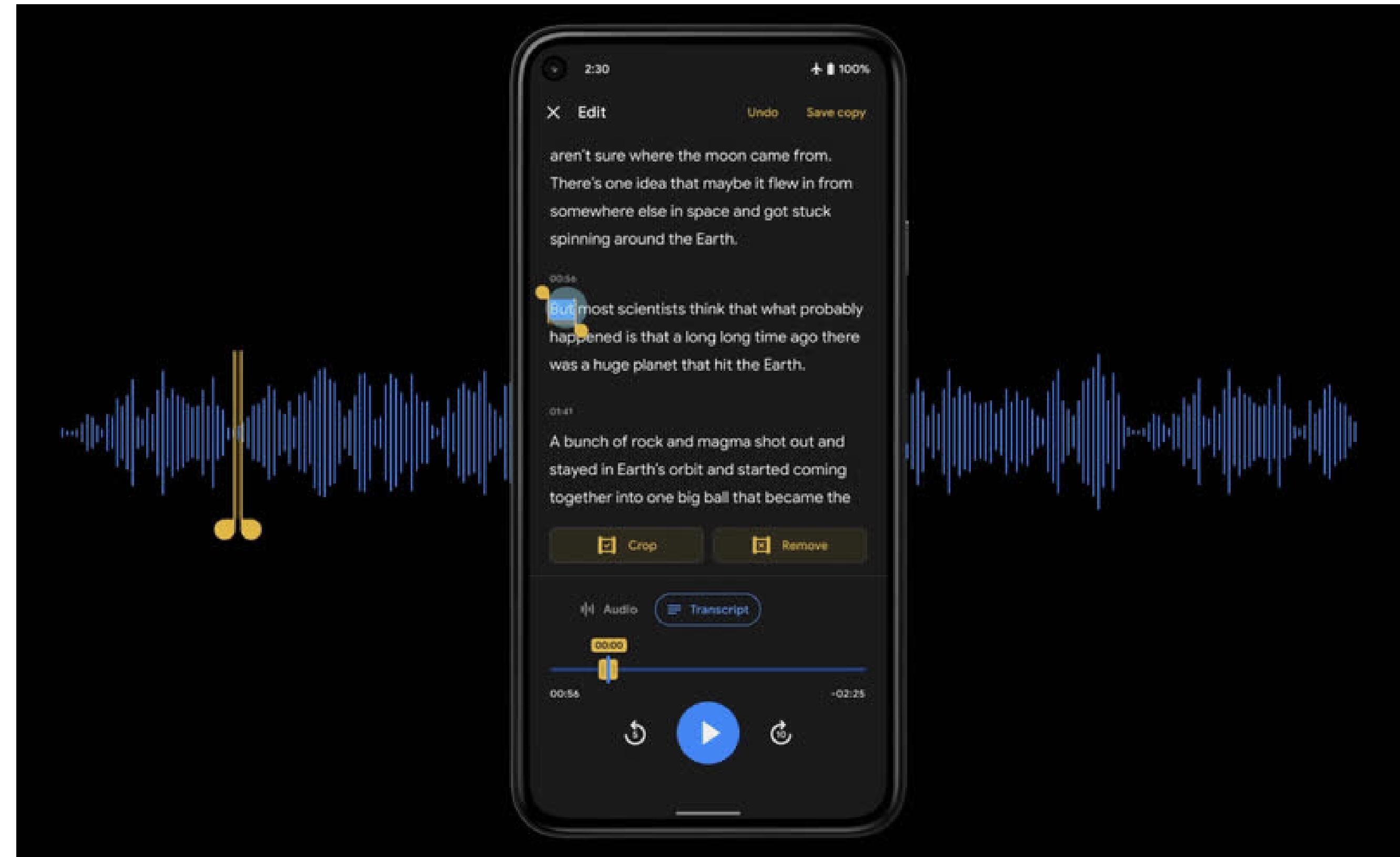
Sentence Formation

formation of
meaningfull sentence
using NLP



Audio Output

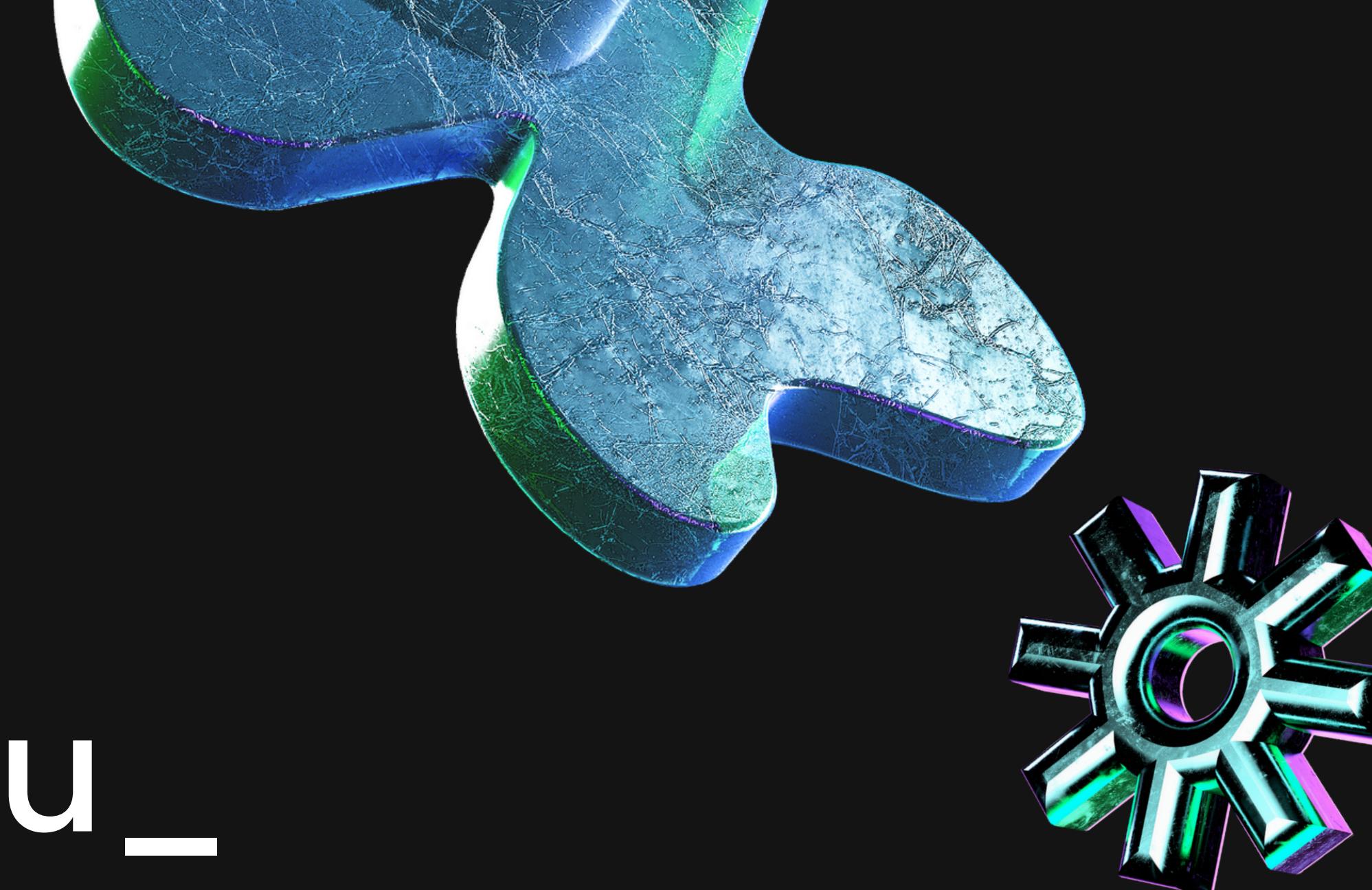
sentence will be converted to audio



Conclusion

When a visually impaired person gets access to this, they can perceive their surroundings and they can feel included which relieves them from their isolated world. So basically we are trying to use technology to help through the betterment of our society..

Thank You



Team members
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