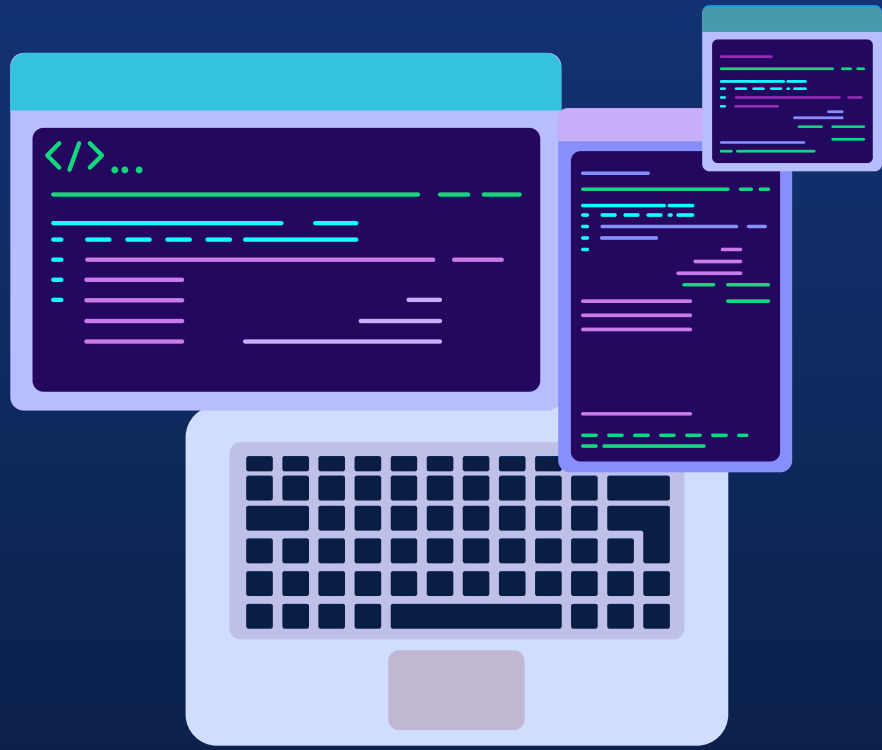
Super_I_Sense

Image recognition
Specially for Visually
Impaired people.



Diversity and Inclusion

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.

PROBLEM VS SOLUTION

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 already known **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:

01

OBJECT DETECTION

It detects object in the image.This is done by using YOLO.

02

SCENERY DETECTION

Scenery and the background will be detected

03

KEYWORD EXTRACTION

Keywords are extracted by filtering the maximum probable data

04

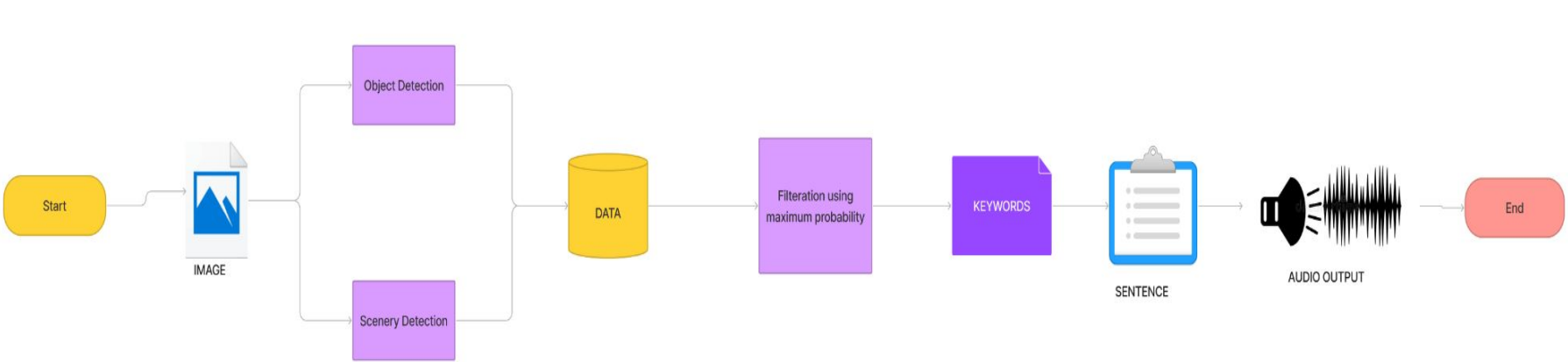
SENTENCE FORMATION

With the help of the generated keywords,the most appropriate sentence will be formed

05

AUDIO OUTPUT

Finally these sentences will be converted to audio as output


Start
IMAGE
Object Detection
Scenery Detection
DATA
Filteration using maximum probability
KEYWORDS
SENTENCE
AUDIO OUTPUT
End

TARGET AUDIENCE

NIGHT BLINDS

PARTIALLY BLINDS

COMPLETELY BLINDS

MARKETING ANALYSIS

We have made a try to upgrade the talk back.After developing this into a full-fledged feature , **PATENT RIGHTS** can be acquired .

After integrating superisense with the existing talk back , this will become an inbuilt feature in all the upcoming gadgets in the market .So we can make a **SURPLUS PROFIT**.

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