

SIGHT GUARDIAN

-PRESENTED BY: WEBWIZARDS



ABOUT:-

Our project is an innovative mobile application designed to empower blind individuals in their daily lives. Leveraging cutting-edge technology with a user-centric design and a focus on inclusivity, our project strives to create a more accessible and inclusive world for blind individuals, fostering independence and equality in society.

01

LIMITED ACCESSIBILITY:

Difficulty accessing information and navigating surroundings.

02

OBSTACLE IDENTIFICATION

Challenges in identifying objects, impacting safety and mobility

03

INADEQUATE SOLUTIONS:

Existing options lack essential features for diverse needs

PROBLEMS FACED

04

TECHNOLOGY LIMITATIONS

Lack of comprehensive support from available technologies

05

ABSENCE OF NAVIGATION AIDS:

Difficulty in navigating unfamiliar environments independently

06

INFORMATION ACCESSIBILITY:

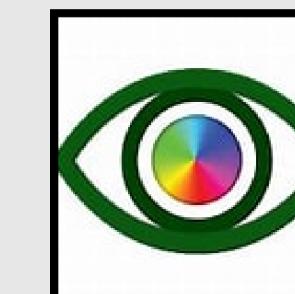
Struggles to access written and digital content due to format limitations

OUR SERVICES



OBJECT DETECTION

Real-time identification of objects in the user's surroundings, aiding blind individuals in navigating safely.



COLOR DETECTION

Recognition of colors to help blind individuals differentiate between objects and understand their environment.



MAP NAVIGATION

Customized auditory directions and location-based information tailored for blind users, facilitating independent travel.





VIDEO CALL EMERGENCY

Instant access to emergency services or trusted contacts via video call, providing crucial support for blind individuals in urgent situations



PICTURE TO TEXT CONVERSION:

Conversion of images into text format, allowing blind individuals to access printed information through audio descriptions or text.



PDF TO TEXT CONVERSION

Transformation of PDF documents into accessible text formats, enabling blind users to read and comprehend written materials effortlessly.



EMOTION DETECTION

Recognition of facial expressions to interpret emotional cues during interactions, enhancing blind individuals' social interactions and communication.

TECH STACK



TensorFlow