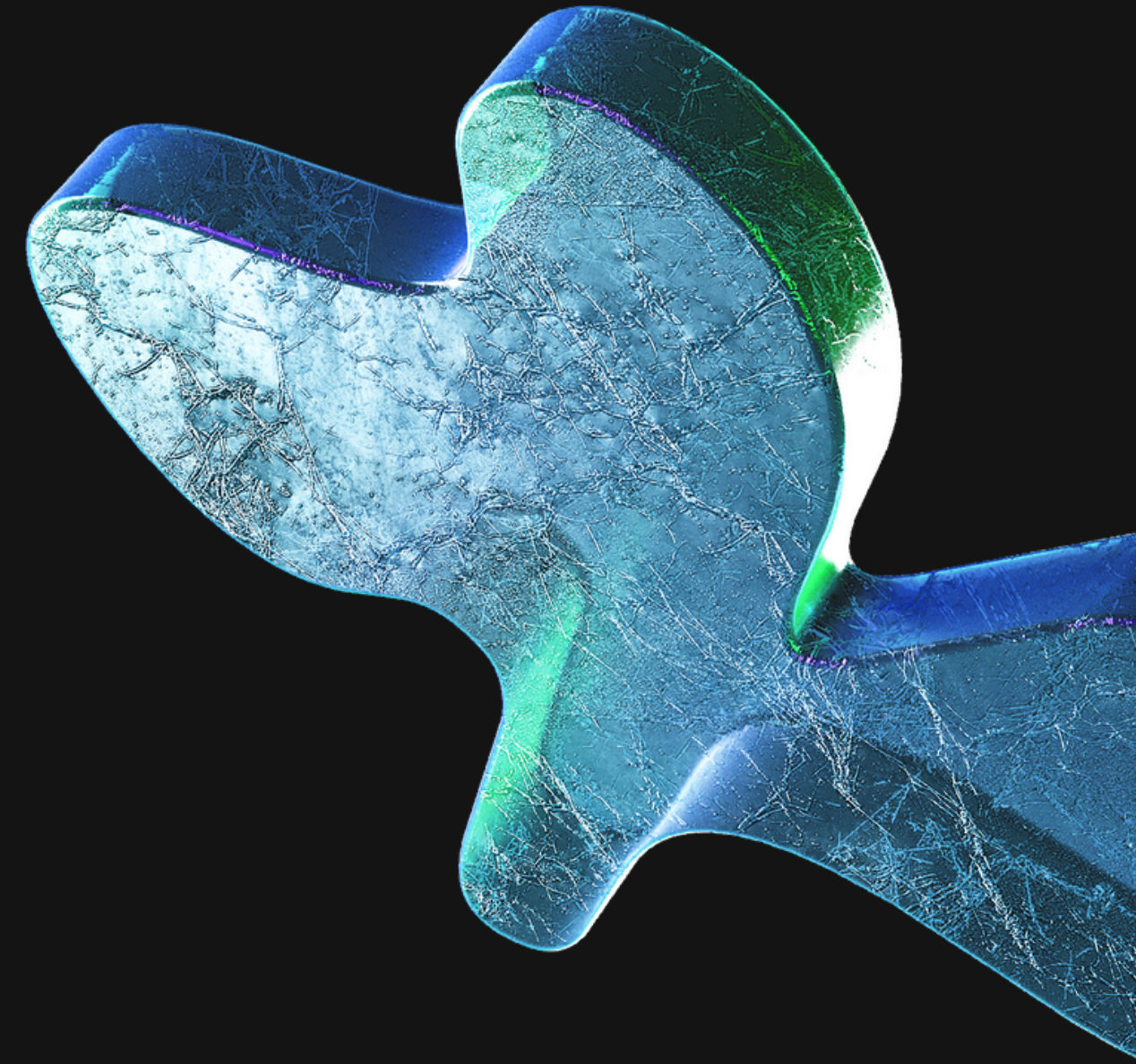


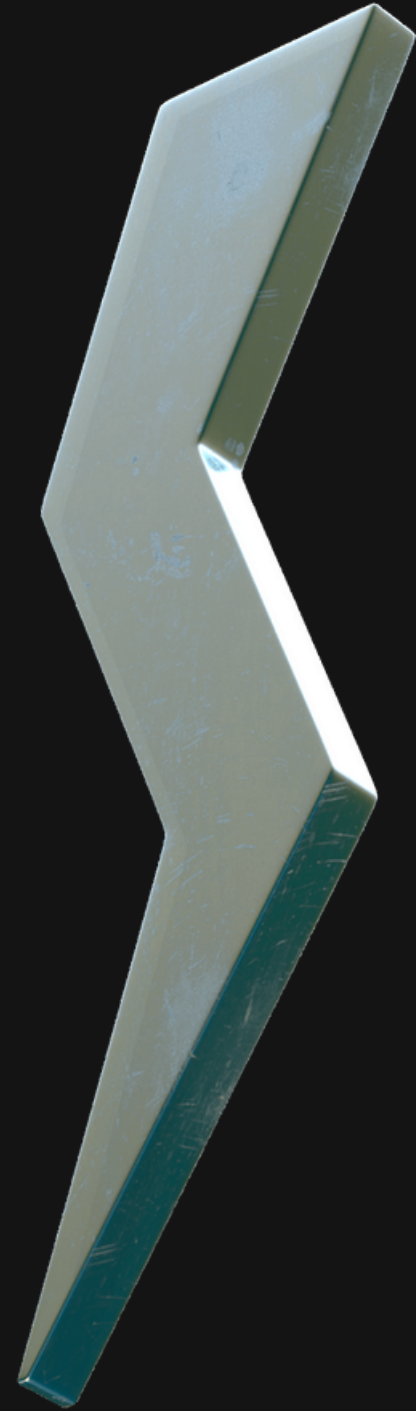
Information Guide

Vision AI

What it is and why it's important?



Vision AI explained

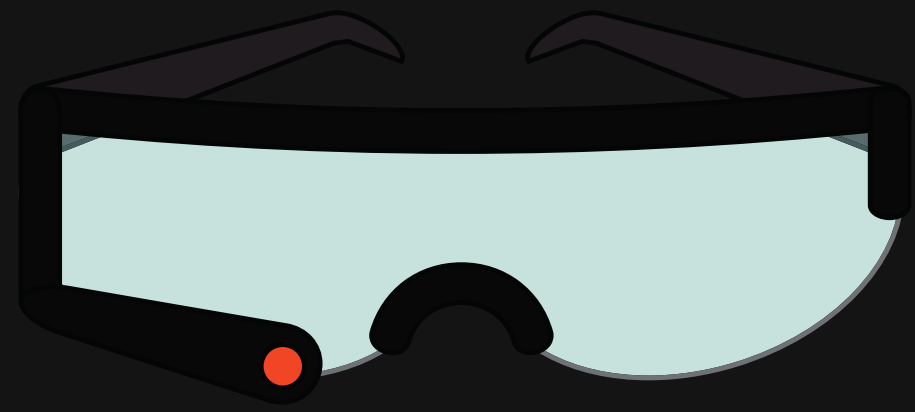


What is vision AI?

What can we expect from vision AI?

How it is useful to blind people?

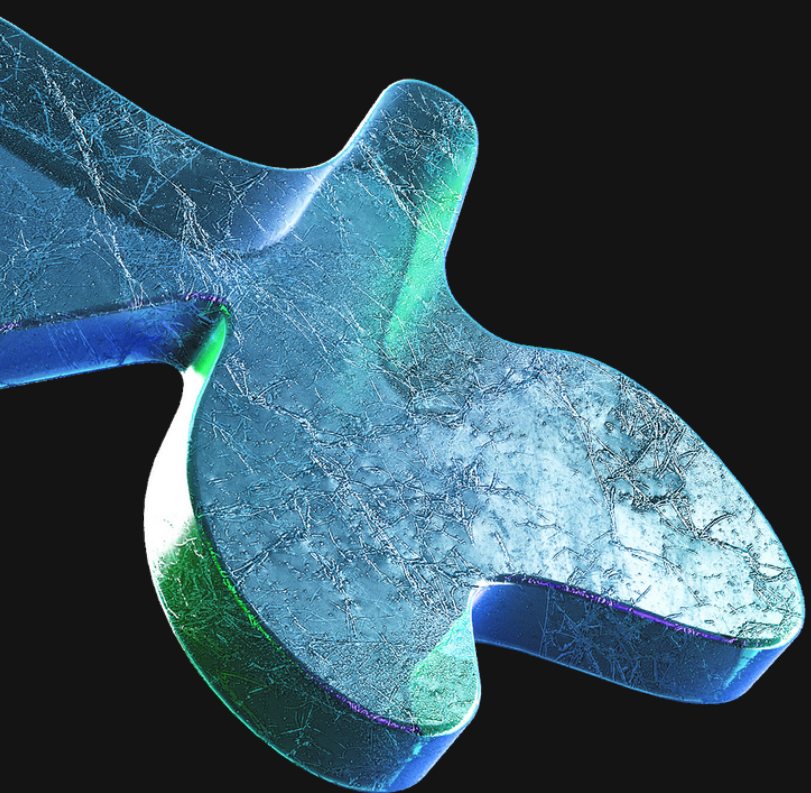
What are the benefits of vision AI?



What is vision AI?

Our smart glasses for the visually impaired provide real-time spoken feedback, enabling hands-free interaction with the environment through features like image capture and speech recognition for enhanced accessibility.

The challenges Vision AI solving



How Vision AI tackles issues faced by the blind

vision AI is specifically made to assist those who are visually impaired.

BRIDGING THE GAP

Our smart glasses use AI and speech recognition to empower visually impaired individuals for independent navigation and daily activities. Our goal is to increase their independence and confidence in engaging with the world.

INDEPENDENCE AND INCLUSIVITY

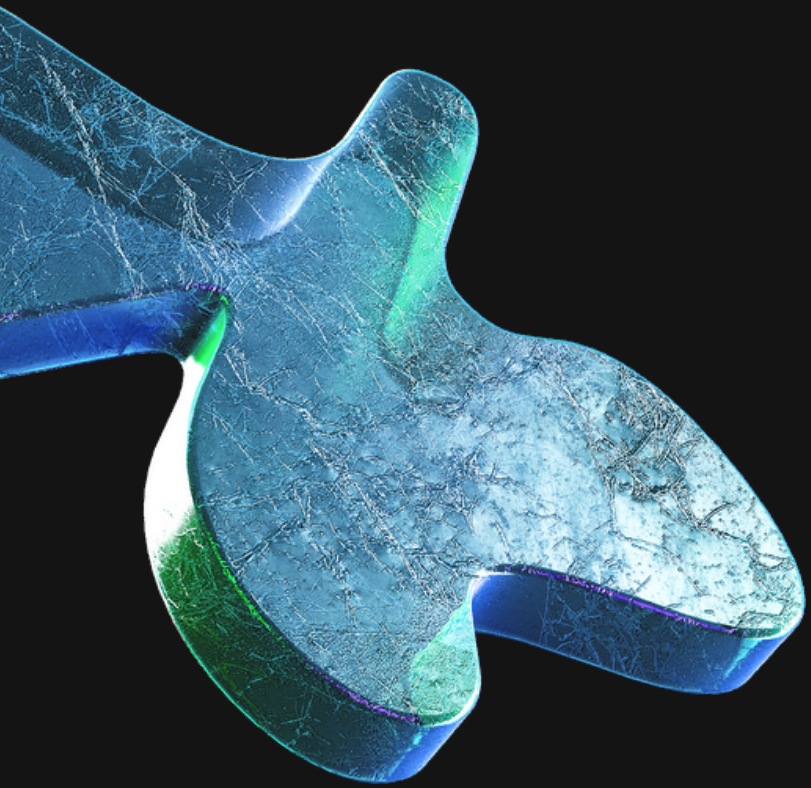
Our smart glasses empower visually impaired individuals with real-time information and independent navigation, fostering confidence and autonomy in daily activities for a more inclusive society.

LIMITED ENVIRONMENTAL INTERACTION

Visually impaired individuals encounter obstacles in engaging with their surroundings. Our project aims to address these challenges, enhancing their ability to interact with the environment and promoting a more inclusive experience.



The Benefits of vision AI



How vision AI benefits visually impaired

vision AI can improve blind
people's lives

INCREASED INDEPENDENCE

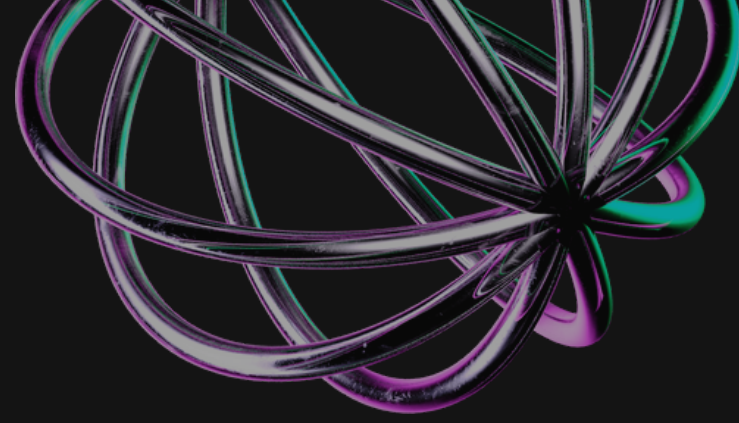
Empowers visually impaired individuals to navigate and interact with their environment independently.

ENHANCED ACCESSIBILITY

Overcomes barriers, providing real-time information and assistance for daily activities.

IMPROVED WELL-BEING

Fosters a sense of confidence and autonomy, contributing to the overall well-being of blind individuals.

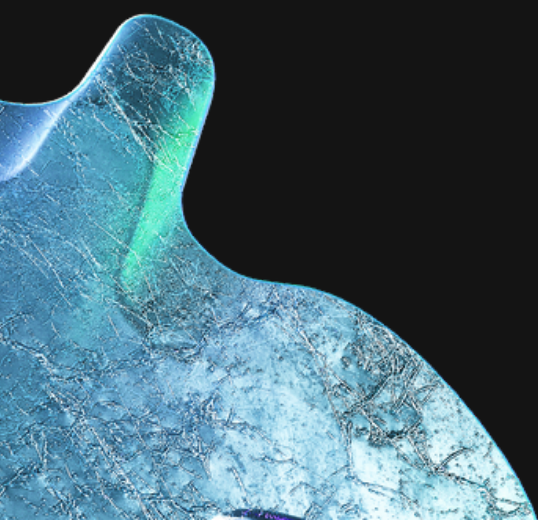


UN-SDGs Used

Good Health and Wellbeing

Industry, Innovation and
Infrastructure

Reduced Inequalities



Architecture



Our architecture, anchored by a Raspberry Pi, integrates audio (Speaker and Microphone) and image capture (Pi Camera) components. The ChatGPT 4 vision Model processes inputs for contextual information and GTTS converts outputs to voiced responses. This setup empowers individuals with visual impairments through a streamlined system, encompassing cloud-based information processing, real-time audio engagement, and effortless image capturing.



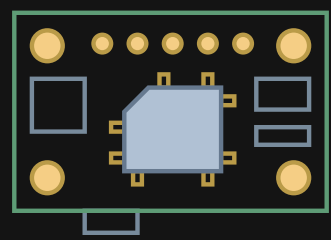
Utilized Technologies:



Camera



Speaker



Raspberry Pi
camera



GPT 4 vision



**Thank
You!!!**

