

The background is a dark grey or black canvas. It is decorated with various geometric shapes, primarily triangles and quadrilaterals, in bright colors: cyan, yellow, red, and teal. Some of these shapes have a thin black border. Additionally, there are several rectangular areas containing a grid of small white dots. The overall style is modern and abstract.

# ABLED AI DIS-ABLED

Prepared By:-

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# EMPOWERING DIVERSE ABILITIES

## PROBLEM STATEMENT

Challenges Faced by Individuals with Disabilities in Operating Computers: Exploring Barriers to Access, Interaction, and Participation.



# THE SOLUTION

We created an inclusive and accessible computing experience for individuals with disabilities using Abled AI. A program that empowers users to navigate, interact, and utilize computer resources effectively, regardless of their physical or cognitive challenges. It prioritizes features such as adaptive input methods, speech recognition and eye gesture-based controls. Abled AI can enhance digital independence and productivity, fostering a more inclusive technological landscape for all.



# FEATURES

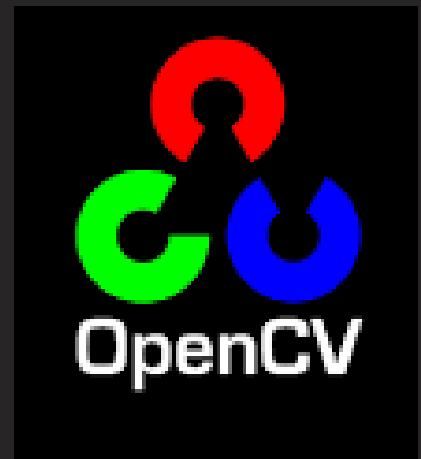
Our AI provides multiple features mentioned below which provide the user an accessible and interactive experience.

1. Voice Assistant integrated with ChatGPT for better and clear response.
2. Light software that works on any\* computer.
3. Voice keyboard- Type anything using your voice!
4. Hand free cursor- Use your eyes as your mouse!
5. Easy to use and hassle free background application with one click download.
6. A friend who never leaves your side, especially when you're bored ;).

\*Minimum 128 MB ram required

# HOW ITS MADE

Abled AI is a Python based .exe file which will run in the background of your windows computer. For Mac and Linux users the source code is available on [GitHub](#) and can be easily downloaded. Abled AI uses open source programs like OpenCV & OpenAI for a better and more immersive experience



# FUNCTIONALITY

Abled AI can be divided into two parts-

## (i) The Eye-Tracking Cursor:

This allows the user to control their cursor with the help of their eye movements. The click functionality can be accessed by winking.

(ii) The AI assistant. This is the main part of Abled AI. This background bot is designed to fill the gap left behind by the Microsoft narrator, the most widely used accessibility tool. It provides exceptionally helpful functionality such as a voice keyboard, opening applications, entertainment and much more.

While the narrator alone can help in minor disabilities such as colour blindness, paired up with Abled AI, it's able to help in complete blindness without the need of a brail keyboard which themselves are very expensive.

**NOTE-** For better functionality of the eye cursor good lighting and high cursor sensitivity is recommended

# HOW TO USE

## Command list :

- Open [Youtube , Spotify , Discord, etc. ]
- What, Who, Where, When, How [Ask the AI anything]
- Using ChatGPT [Your question]
- Type [The text that you want to type]
- What is the time?, How are you?, etc.
- I'm Bored. (In case you wanna talk with the AI)



THANK  
YOU

