

NextVision

Vlad Cirstean

While there's no perfect app for blind people, it's safe to say that Google, one of the main innovators in AI, offers some very interesting solutions. Furthermore they maintain the Android OS so they're incentivized to bake in accessibility features.

Lookout

Lookout uses computer vision to assist people with low vision or blindness get things done faster and more easily. Using your phone's camera, Lookout makes it easier to get more information about the world around you and do daily tasks more efficiently like sorting mail, putting away groceries, and more.

<https://play.google.com/store/apps/details?id=com.google.android.apps.accessibility.reveal>

Voice Access (similar to Google Assistant)

Voice Access provides voice commands in three categories:

- Basics and navigation from any screen (e.g. "go back", "go home")
- Gestures to interact with things on the current screen (e.g. "click next", "scroll down")
- Text editing and dictation (e.g. "type hello", "replace coffee with tea")

<https://play.google.com/store/apps/details?id=com.google.android.apps.accessibility.voiceaccess>

Envision

They even have partnerships with other companies to develop useful products like Google Glasses for blind people:

<https://thenextweb.com/plugged/2020/03/09/googles-ai-powered-smart-glasses-help-the-blind-to-see/>

Seeing AI (Microsoft):

An AI image recognition app from Microsoft. It can identify text, colors, money, handwriting and much more.

<https://www.microsoft.com/en-us/ai/seeing-ai>

<https://www.microsoft.com/en-us/garage/wall-of-fame/seeing-ai/>

It uses **Azure Cognitive Services**.

(<https://azure.microsoft.com/en-us/services/cognitive-services/>). They even recommend books to start using this api

<https://www.oreilly.com/library/view/building-intelligent-apps/9781492058632/>

TapTapSee

TapTapSee is a mobile camera application designed specifically for blind and visually impaired users, powered by the CloudSight Image Recognition API. TapTapSee utilizes your device's camera and VoiceOver functions to take a picture or video of anything and identify it out loud for you.

<https://taptapseeapp.com/>

It's also based on an AI api: <https://cloudsight.ai/>

An overview of other independent options:

<https://www.levelaccess.com/understanding-assistive-technology-how-does-a-blind-person-use-the-internet/>