



Learn More: AI for Accessibility and Social Impact

AI Tools, Innovations & Considerations

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Accessibility Tools

1. Speech-to-Text (STT) and Text-to-Speech (TTS) Tools

[Google Live Transcribe](#) and [Microsoft Azure Speech](#): These tools convert spoken language into written text in real time, benefiting people who are deaf or hard of hearing.

[Voice Dream Reader](#): A text-to-speech app that reads aloud various types of content, helping individuals with visual impairments or dyslexia.

2. AI Powered Sunglasses

[Envision Glasses](#) empower people who are blind or have low vision to access everyday visual information for themselves.

3. AI-Powered Screen Readers

- [JAWS \(Job Access with Speech\)](#): A screen reader using AI to allow people with vision impairments to navigate digital environments by reading screen content aloud.



- [VoiceOver](#) (Apple) and [TalkBack](#) (Android): These built-in mobile screen readers use AI to interpret and narrate screen content.

4. Image Recognition Tools

- [Microsoft Seeing AI](#): This app uses AI to describe people, objects, and text through a smartphone camera, helping individuals with visual impairments.
- [Google Lookout](#): Similar to Seeing AI, it identifies objects, scans barcodes, and reads text for people with vision impairments.

5. Navigation Tools for Mobility Impairments

- [AccessMap](#): Uses AI to provide accessibility-friendly routes for people with mobility challenges, including wheelchair users.
- [Wheelmap](#): A crowdsourced map that helps users find wheelchair-accessible places based on user input and AI data analysis.

6. AI-Based Captioning

- [Otter.ai](#): Provides real-time transcription and meeting summaries, which support people with hearing impairments in understanding live conversations.
- [Zoom Auto-Captioning](#): AI-powered live captions during virtual meetings to make discussions more accessible to all participants..

7. AI for Cognitive Support

- [Cognoa](#): A digital AI platform that helps diagnose developmental disorders such as autism, supporting early intervention for children.
- [RemindMeCare](#): Uses AI to provide memory stimulation and personalized activities for individuals with dementia or Alzheimer's