

# EyeSpeak (An Application for Visually impaired)

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**Abstract:** *Our project aims to create a mobile app that's like a helpful friend for visually impaired people. Despite the availability of various solutions, visually impaired individuals often face challenges in accessing essential information independently. With functionalities including text-to-speech from images, live location tracking, weather updates, calculator, date and battery percentage information, object recognition, money transfer, and expiry date recognition, the app offers a versatile solution to address various everyday challenges. Users can navigate the app interface through intuitive swipe gestures and voice commands, ensuring ease of use. We're using tech such as OCR, TensorFlow for object recognition, and speech-based interaction, the app delivers both auditory and textual outputs for enhanced accessibility. Our hope is that this app will make life a bit easier for visually impaired folks, helping them be more independent and improving their day-to-day experiences.*

**Keywords:** Visual impairments, Text-to-Speech, Expiry date Recognition, Tensorflow, OCR, Object Recognition, Location, Api, Weather

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