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## **Real Time Text Detection for Blind People**

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Abstract: This paper introduces a novel real-time text detection system tailored for the visually impaired, incorporating an audio conversion feature to facilitate seamless accessibility. The system harnesses cuttingedge computer vision algorithms to swiftly detect and extract text from the surroundings using a smartphone camera. Upon detection, the system employs an advanced audio conversion mechanism to instantly convert the detected text into spoken words, providing auditory feedback through a mobile application. Through rigorous testing and optimization, the system achieves high accuracy in text recognition and delivers clear and concise audio output, enhancing comprehension and usability for users with visual impairments. The integration of audio conversion significantly improves accessibility, empowering individuals to effortlessly interact with printed text in their environment, thereby fostering greater independence and inclusivity. Experimental evaluations demonstrate the efficacy and practicality of the proposed system, highlighting its potential to positively impact the lives of visually impaired individuals by facilitating real-time access to textual information.

Keywords: OCR, Anaconda

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