Braille Bridge Using Machine Learning

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Abstract: *In an increasingly digital world, accessibility to information is a fundamental right that should be extended to everyone, regardless of their abilities. This project addresses the pressing need for accessibility in the digital sphere by developing a website equipped with cutting-edge technology to assist the visually impaired community. The primary objective of this project is to create a web platform that can seamlessly translate Braille language from images into text, subsequently rendering it into audible form using text-to-speech technology. Additionally, the website offers a text translation functionality, making content accessible to a global audience by breaking down language barriers. The integration of machine learning algorithms ensures high accuracy and efficiency in the translation process, making the system both user-friendly and effective.*

Keywords: Braille Translation, Images to Text, Text-to-Speech, Text Translation, Global Audience, Language Barriers, MachineLearning Algorithms, Efficient Translation System