Be My Voice Application for People with Speech Difficulties

Abstract

Speech Difficulties is the disability of producing speech sounds correctly or having problems with voice. The number of people that suffer from speech difficulties is about 7.5 million of different ages [1]. Speech difficulty is common and can happen out of nowhere or as a result of a medical problem. People with speech difficulties feel sad when others do not understand them or ask them to repeat what they said, sometimes it is a necessity to have someone by their side to help them in communicating. So, speech difficulty considered a major problem that has psychosocial, social and academic impact on people who have it. By using speech recognition and cloud computing to develop an android application that can translate incomprehensible speech into understandable speech and also may improve the pronunciation of words to help those people in communicating and their speech would be clear. Be my voice application will support android operating system and Arabic and English interfaces. It can help people with speech difficulties in communicating and to feel much better because it will allow people to understand them and all those people want is to be understood.
References


Index Terms

Computer Science  Information Sciences

Keywords
Speech Recognition, Cloud Computing, Speech difficulties, android phone application.