

Digital Receipt

This receipt acknowledges that Turnitin received your paper. Below you will find the receipt information regarding your submission.

The first page of your submissions is displayed below.

Submission author: Ye Kyaw Thu

Assignment title: NLP Paper

Submission title: myTTS-ver3

File name: nlp-proj.pdf

File size: 200.7K

Page count: 4

Word count: 2,080

Character count: 11,160

Submission date: 28-Jan-2021 06:03PM (UTC+0630)

Submission ID: 1496175436

Myanmar Text to Speech

Badounmar, Hnin Yu Hlaing, Hlaing May Tin Nan Yu Hlaing, Thida San, Zun Hlaing Moe

Abstract—Text-to-speech system typically consists of a text analysis frost-end, an acoustic model an apsend synthesizer. Since these components are trained independently and rely on extensive domain appear and the system of th

 $Index\ Terms{\rm --TTS,\ Tacotron,\ Tensorflow,\ MOS,\ Encoder,\ Decoder}$

I. Introduction

The line main motivation for this project is to investigate
the end-to-ced text to speech synthesis with small
processing (ISP) and natural language processing (ISP) and natural language processing (ISP).
It is intended to generate luman-site speech from the
input text or sentences, an antural-sounding in terms of
intelligibility and quality. The main task of 4TTS is orspeech in real time. The speech synthesis is not a new
problem, but it is still one of the challenges for organizations and businesses. The modern TTS trend is more
complex. Deep learning (DL) is a new research direction
complex. Deep learning (DL) is a new research direction
complex. The properties of the complex complex of the properties of the properties of
deep learning methods which is to synthesize speech
directly from the characters. It does not need photeumlevel alignment and can be trainford on completely from
the characters. It does not need photeumlevel alignment and can be trainford on completely from
the characters. It does not need photeumlevel alignment and can be trainford on completely from
the characters. It does not need photeumtered alignment and can be trainford on completely from
the characters of the purpose, but some
of them are not necessarily end-to- out at they usually have
models developed and trained separately. Among these
models, we used TLOstoron as it is trily an end-to-end

The remainder of this paper is organized as follows. In Section 2, we describe the related work. Section 3 briefly introduces Myanmar Language. Section 4 describes methodology, Section 5 presents the overview of experimental setup, results and discussion. Lastly, we conclude in section 6.

II. RELATED WOR

In recent years, DNN based generative models for Mynmar Speech synthesis can yield better synthesized speed than HMM [1]. In [2], Quang Phan Hun proposed a deep learning architecture to the problem of speech synthesis. Tacotron model. The output of Tactron on both BigCorpora and Small-Organ subseed big-quaits speech analysis of the proposed of the

III. MYANMAR LANGUAGE

Mysumar language is the official language of Mysumar, and it is spoken as the first language by 22 million people, and as the second language by another 10 million people. Mysumar script has 25 basic consonants, 4 basic medials, 12 basic words, 12 basic possible and special characters. The consonants have only 23 distinct promunications because some consonants have the same pronunciation in the Mysumar language. A spladle is composed of one or more word in Mysumar language. If the villable final glottal scope is regarded as a tonal feature and the non-final neural vowel as anatonic vowel, there are four phonological tones in Mysumar [3].

Badounmar is with the Faculty of Computer Science, Computer University (Thaton), Thaton, Myanmar. Hain Yu Hilang is with the Faculty of Information Science, University of Computer Studies(Meiktiks), Meiktiks, Myanmar. Hlaing May Thi is with the Faculty of Computer System and

Mandalay, Myanmar. Nan Yu Hlaing, Zun Hlaing Moe and Thida San are with the Faculty of Information Science, Myanmar Institute of Information