

www.educba.com
Image credits Apple , Google, Amazon

Automatic Speech Recognition Architectures

Story Submitted by
Jagruti Mohanty
Link for [Medium Article](#)

Introduction

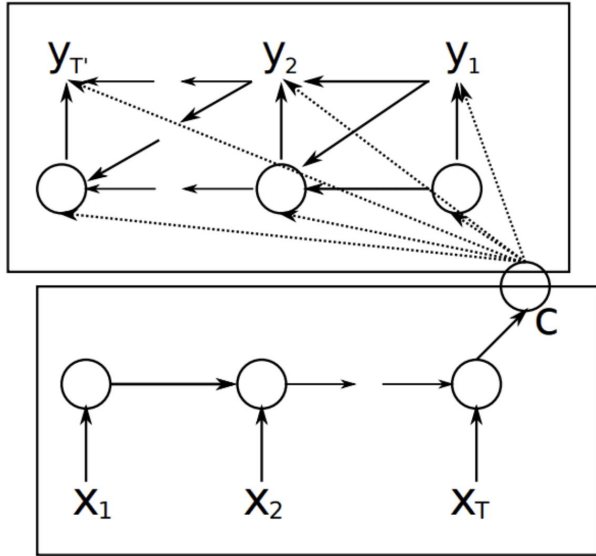
1. What is Automatic Speech Recognition (ASR) and its applications?
2. What are the state of art models and architectures for Automatic Speech Recognition (ASR) ?

What type of attention models will be discussed in the paper?

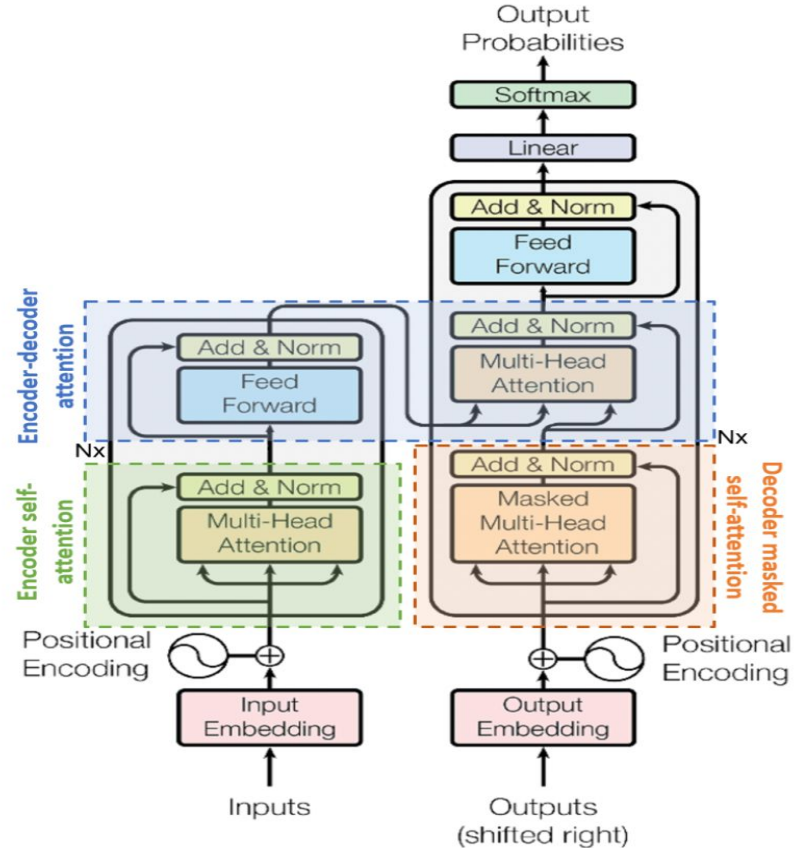
1. RNN-based encoder-decoder architecture
2. Transformer-based encoder-decoder architecture

Attention Based RNN and Transformer Model

Decoder



Encoder



Offline Speech Recognition

1. Global Attention
2. Local attention with RNN
3. Joint Attention — CTC with RNN

Streaming Speech Recognition

1. RNN based models
2. Transformer based models

Thank you !!

For further information please contact :

jagruti.mohanty@sjsu.edu