**Multilingual Communication App:**

**AI Translation and Voice Integration**

**"Attention Is All You Need" by Ashish Vaswani et al.**

This paper introduced the Transformer model, which has been foundational in many NLP tasks including machine translation.

Link: <https://arxiv.org/abs/1706.03762>

**"Neural Machine Translation by Jointly Learning to Align and Translate" by Dzmitry Bahdanau et al.**

Its attention mechanism, which has been a fundamental component in various NLP tasks, including machine translation. This mechanism connects it to many subsequent papers that build upon or improve attention models.

Link: <https://arxiv.org/abs/1409.0473>

**"BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding" by Jacob Devlin et al.**

It transformed contextualized word embeddings and impacted various NLP tasks, including translation. Its ideas have influenced subsequent papers on pre-training models for NLP.

Link: <https://arxiv.org/abs/1810.04805>

**"WaveNet: A Generative Model for Raw Audio" by Aaron van den Oord et al.**

WaveNet introduced a generative model for audio, paving the way for more natural-sounding text-to-speech systems.

Link: <https://arxiv.org/abs/1609.03499>

**"Tacotron: Towards End-to-End Speech Synthesis" by Yuxuan Wang et al.**

This paper introduced Tacotron, an end-to-end neural network model for text-to-speech synthesis.

Link: <https://arxiv.org/abs/1703.10135>

"**Unsupervised Machine Translation Using Monolingual Corpora Only" by Artetxe et al.**

It explores unsupervised machine translation, which connects it to other papers discussing innovative translation methods.

Link: <https://arxiv.org/abs/1711.00043>

**"Massively Multilingual Neural Machine Translation in the Wild: Findings and Challenges" by Arivazhagan et al.**

This paper discusses challenges and insights from training multilingual translation models with a large number of languages.

Link: <https://arxiv.org/abs/2007.10357>

**"SpecAugment: A Simple Data Augmentation Method for Automatic Speech Recognition" by Park et al.**

This paper introduces SpecAugment, a technique for improving speech recognition by augmenting spectrogram data.

Link: <https://arxiv.org/abs/1904.08779>

**"Exploring the Limits of Transfer Learning with a Unified Text-to-Text Transformer" by Raffel et al.**

This paper presents T5, a text-to-text model that frames all NLP tasks as a text-to-text problem, achieving state-of-the-art results.

Link: <https://arxiv.org/abs/1910.10683>

**"End-to-End ASR: From Supervised to Semi-Supervised Learning with Modern Architectures" by Chan et al.**

This paper discusses various end-to-end approaches for automatic speech recognition and their performance improvements.

Link: <https://arxiv.org/abs/2006.02578>

