

Seq2Seq Applications in 2024

Translation

Google Translate
DeepL

100+ languages
Real-time
Offline mode



Chatbots

Customer Service
ChatGPT

Context aware
Multi-turn
Personalized



Code Gen

GitHub Copilot
Tabnine

Comment → Code
Bug → Fix
Refactoring



Speech

Whisper
Siri

Audio → Text
Multilingual
On-device



Summarization

News → Headlines
Docs → Abstract

Extractive
Abstractive
Multi-document



Vision

Image Captioning
Video Description

CNN encoder
LSTM decoder
Attention over regions

