



# SOFTSERVE SPEECH RECOGNITION PLATFORM, ACCELERATED

BY NVIDIA NIM™ Agent Blueprints



Combine the power of Generative AI (Gen AI) with the best of human voice recognition by using SoftServe Speech Recognition Platform. This robust system excels in transforming speech to text with unparalleled precision, capturing even the subtlest vocal nuances. What sets this apart is its unique capability to grasp the variances in children's voices. This makes the solution ideal for new language learning, assisting in speech impairments, and many more applications.

SoftServe Speech Recognition Platform, accelerated by NVIDIA NIM™ microservices and NVIDIA® RIVA, offers real-time transcription with supreme accuracy in various settings, including those with background noise. Its advanced technology provides precise phoneme recognition and timestamps, making it suitable for applications needing exact speech analysis, such as language development, medical documentation, and legal transcription.

## VALUE

The SoftServe Speech Recognition Platform offers ready-to-use AI technology streamlined for quick implementation. It simplifies and accelerates the adoption of Generative AI applications in production environments, making it a perfect partner for institutions embarking on their Gen AI journey.

The platform does more than just transcription, it also offers deep understanding by performing NLP tasks.

This process enhances the solution's reliability and enriches the user experience with accurate and meaningful results through:



**Context understanding**



**Scoring**



**Autocorrections**

## BENEFITS

### HIGH ACCURACY:

Superior performance in speech recognition.

### ADVANCED NOISE ISOLATION:

Clear recognition even in noisy environments.

### PHONEME RECOGNITION:

Breaks words down into the smallest unit of sound for accurate transcription.

### TIMESTAMPING:

Detailed timestamps down to milliseconds, ensuring precision.

### CUSTOMIZABLE:

RAG + LLM support for tailored solutions.

### SECURE DATA:

Strictly within the customer's infrastructure handling of data.

## USE CASES



### Language Development:

Enhances early literacy and assists in new language learning.



### Noisy Environment Application:

Ensures precise transcription in sports events and manages customer interactions in noisy environments like call centers.



### Domain-Specific Speech Recognition:

Handles complex terminology in medical documentation, legal transcription, and public safety.

## NVIDIA AI ENTERPRISE SOFTWARE TECH STACK

✓ NVIDIA NIM™

✓ NVIDIA® RIVA

✓ NVIDIA NeMo™

✓ NVIDIA TensorRT

✓ NVIDIA Maxine

## VALUE TO CLIENTS ON THEIR GEN AI JOURNEY

NVIDIA and SoftServe leverage the power of AI and accelerated computing, offering innovative solutions that align with our customer's business outcomes. As an NVIDIA Elite Service Delivery Partner, SoftServe's expertise helps clients evaluate, prioritize, implement, and scale industry-specific Gen AI (and AI/ML) applications and 3D simulation solutions. NVIDIA engineers the most advanced hardware, systems, and software for the AI factories for the future. Together, we enable our joint clients to quickly find a path to success that scales with growth during their Gen AI adoption.

[Find out more](#)



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