

Voice to Text with AI

– Live Demonstration

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INTRODUCTION: WHAT IS SPEECH IN AI?

Speech in AI refers to the ability of machines to process, recognize, and generate human language through spoken input and output.

It bridges communication between humans and computers by converting voice into text (speech recognition) or text into voice (speech synthesis).

CORE FEATURES OF AI FOR SPEECH

Voice-to-Text (Speech
Recognition)

Text-to-Speech (TTS)

Natural Language
Understanding (NLU)

Real-time Translation

Emotion & Sentiment
Detection

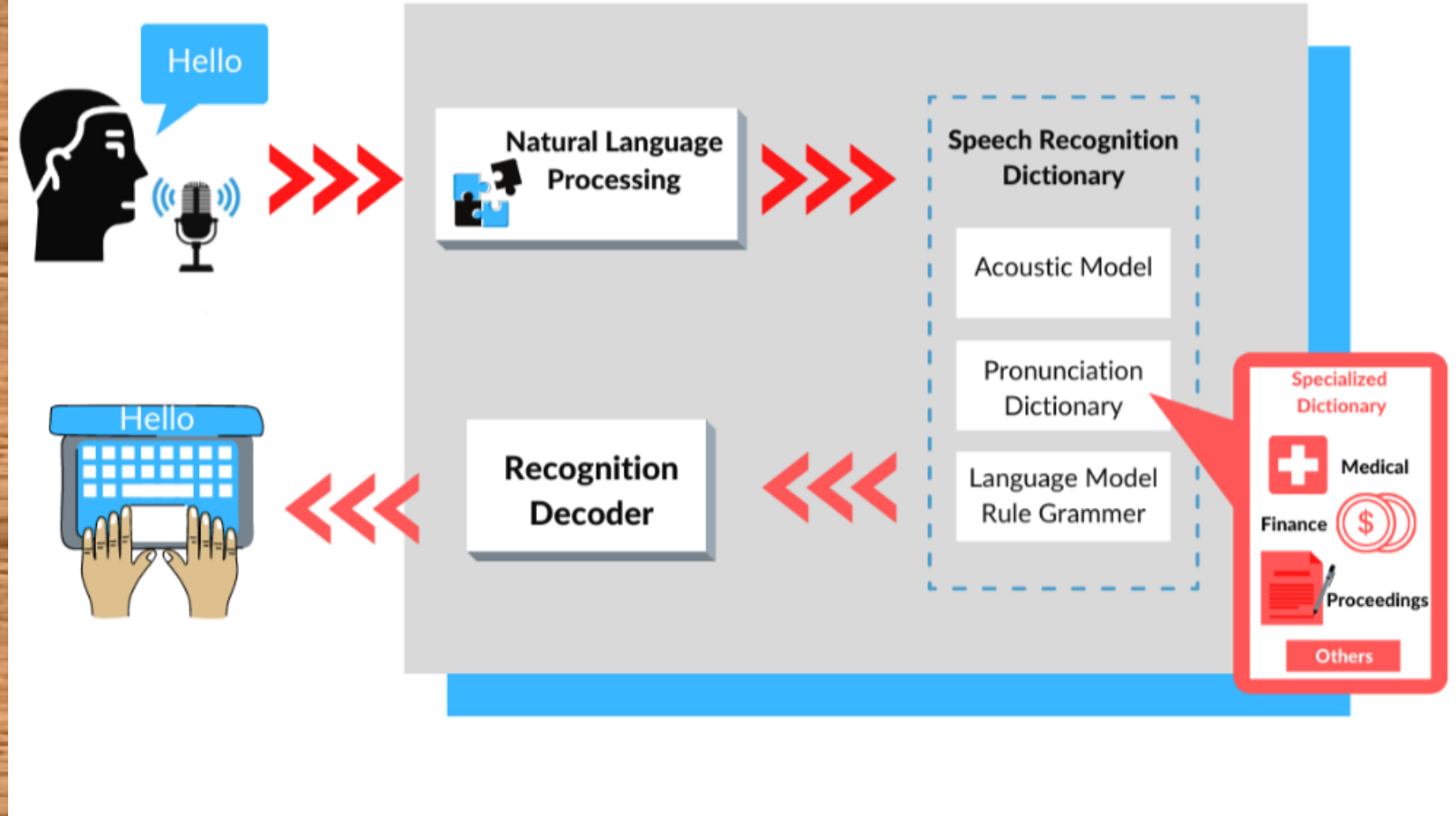
HOW IT WORKS

Speech Recognition Engines:

AI models trained on large datasets of spoken language.

Key Components:

- Acoustic modeling (sound patterns)
- Language modeling (context and grammar)
- Real-time transcription



APPLICATION IN EDUCATION

Inclusive Learning: Supports students with hearing impairments or writing difficulties.

Classroom Use: Real-time transcription of lectures, voice-based quizzes, and note-taking.

Language Learning: Helps practice pronunciation and fluency.



**LIVE
DEMONSTRATION**



UNIT 1

FABLES AND FOLK TALES



A BOTTLE OF DEW

Let us do these activities before we read.

I Circle the picture that matches with each word. Check your answers by sharing them with your classmates and teacher.



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 **TEXT TO SPEECH**

 **AGENTS**

 **MUSIC**

 **SPEECH TO TEXT**

 **DUBBING**

 **VOICE CLONING**

 **ELEVENREADER**

Most popular voices



Mark - Natural Conversations



Spuds Oxley - Wise and Approachable



James - Husky, Engaging and Bold

Enter your own text

In the ancient land of Eldoria, where skies shimmered and forests, whispered secrets to the wind, lived a dragon named Zephyros. [sarcastically] Not the "burn it all down" kind... [giggles] but he was gentle, wise, with eyes like old stars. [whispers] Even the birds fell silent when he passed.

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CONCLUSION

Voice-to-Text technology is not just a convenience—it's a transformative tool for inclusive, adaptive, and future-ready education.



THANK YOU