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Simbo.ai launches smart voice-based EMR for doctors

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SimboAlpha is a voice-based doctor assistant that creates EMR documentation using advanced artificial intelligence (AI)



Simbo.ai, a pioneer in explainable artificial intelligence (AI) based in Bengaluru, has announced the launch of SimboAlpha, its flagship cloud-based application programming interface (API) technology platform. It allows electronic medical record (EMR) providers, health app providers and hospital chains to bring smart voice-based EMR to their doctors.

SimboAlpha is a voice-based doctor assistant that creates EMR documentation using advanced artificial intelligence (AI). It is a state-of-the-art solution based on proprietary automated speech recognition (ASR) and medical natural language understanding (NLU) using vast medical knowledge-base to understand doctor and/or patient conversation.

Simbo uses in-house speech-to-text engine and advanced clinical NLU trained from 10 million+ audio recordings. It is available as a cloud-based API so that it can plug-in into any existing healthcare information system (HIS) or EMR software system.

Adoption of SimboAlpha's API improves the usability of electronic health records (EHR). It enables the doctors to pay undivided attention to their patients and their care, while SimboAlpha takes care of the documentation.

Talking about the launch, Baljit Singh, CEO and Co-founder, Simbo.ai said, “SimboAlpha is highly accurate even in noisy environments, with 2.58 per cent word error rate (WER) and 3.16 per cent sentence error rate. It supports native and all Indian, English accents and it is trained on International and Indian clinical terms.”

SimboAlpha operates in hands-free mode. It allows the doctors to create electronic medical records (EMR) without touching keyboard and mouse. Doctors do not need to follow any sequence of items to be spoken. If required, doctors can dictate free notes.

Praveen Prakash, CTO and Co-founder, Simbo.ai said, “Using SimboAlpha API, the EMR and health-app providers can develop their own applications on mobile and desktop. They can also upgrade any existing software solution to add the voice-based capability.”