



Simbo<sup>®</sup> – Smart Digital Assistant for Doctors

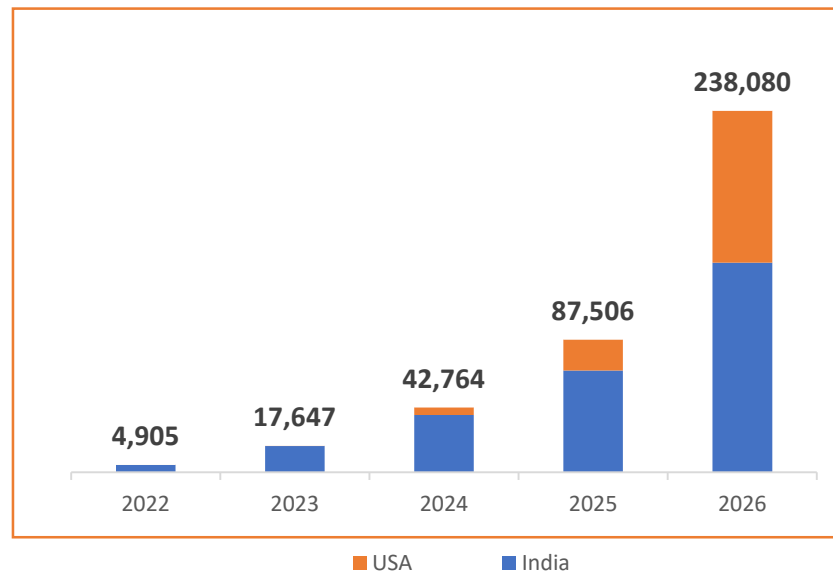


<https://www.simbo.ai>

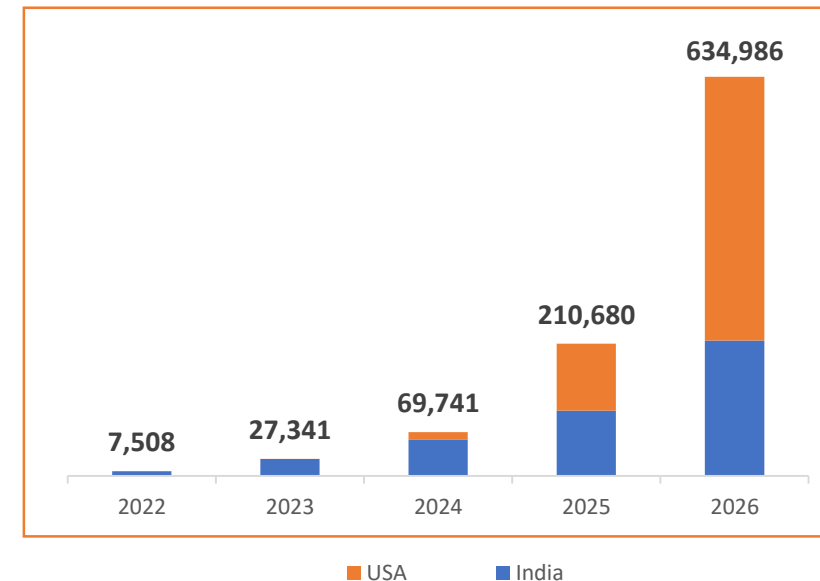


- Founded by Baljit Singh and Praveen Prakash, alumni of IIT Delhi to invent Next-Generation Observational AI technologies for Electronic clinical documentation using Voice/Video Multi-Modal NeuroSymbolic Explainable AI.
- Developed AI enabled cutting edge solution SimboAlpha – ‘virtual clinical assistant for doctors’ and has developed prototype of key Algorithms in SimboBISLU - ‘virtual resident doctor’.
- To capture 50% of English speaking doctors on this planet in this decade.
- Company has 9 patents and 5 trademarks.

### Number of Doctors



### Consultations p.a. (in'000s)





## Baljit Singh

**Co-Founder & CEO**

IIT Delhi Alum with 19+ yrs. of experience ranging from technology & business. Passionate about improving health for masses using AI & DeepTech.

<http://www.linkedin.com/in/blusingh>



## Tejaswi Singh

**Director, Hospitals Sales**

MBA with 15 yrs. in B2B & Health-tech Market. Worked across with companies Like Practo and Napier Heading India Business.

<https://www.linkedin.com/in/tejaswi-singh-1279a845>



## Praveen Prakash

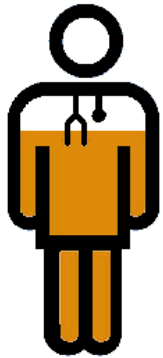
**Co-Founder & CTO**

IIT Delhi Alum with 19+ yrs. of work across companies like Intel, ARM & HP. Passionate about using technology to solve public health issues.

<https://in.linkedin.com/in/praveen-prakash-7bb9619>



## Doctors are heavily burdened by clinical documentation



**62%**

Physician's time spent on maintaining medical records documentation

**49%**

Physicians reported creating medical records detracts them from clinical effectiveness

**37%**

Physicians reported one or more symptoms of burnout

## Existing Solution turned Doctors into Data Entry Operators



Existing Speech-to-Text solutions are only dictation tools.

Supported by very superficial NLU to put text in different sections and formatting

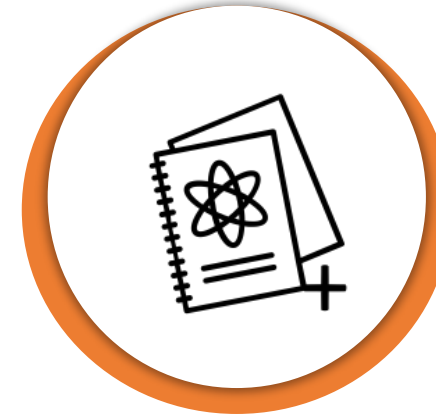
The patient side of the story are missing.



## SimboAlpha

Voice-Based AI assistant for doctors, that acts like a secretary to create a smart EMR as the doctor speaks 'naturally'!

*In **early revenues** since Mar'21 after 18 months of closed trials*



## SimboBISLU\*

Digital assistant acting like a real resident doctor helping in documentation, pre-screening and post consultation support

**Prototyped** ground-breaking algorithms: Universal NLU, Story level processing etc.  
<https://www.simbo.ai/research/>

**\* Brain Inspired Spoken Language Understanding**

# SimboAlpha – Creates Records within 30 Seconds!



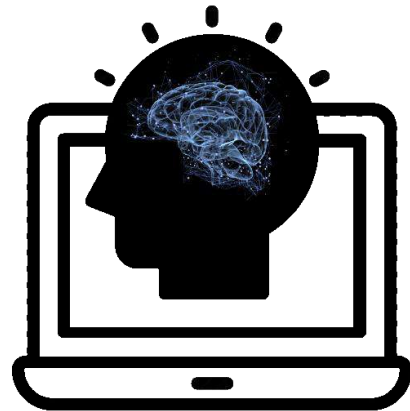
"Simbo put this patient on dengue plan 2 for adults. Delete Dolo medicine. Put him on Meftal Tablet SOS. Send him for Malarial Parasite test."



Doctor



**SimboAlpha**  
AI Assistant for  
Doctor



**Faster and More Efficient  
than a Human!**

Consultation Time: 05/07/2021, 14:36

Patient Info : \_\_\_\_\_ / \_\_\_\_ / \_\_\_\_

**Vitals :**

<b>Symptoms :</b> 1. FEVER 2. VOMITING 3. HEADACHE 4. THROAT PAIN	<b>Diagnosis :</b> 1. DENGUE
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<b>Diagnostics Advised :</b> 1. DENGUE PROFILE 2. CBC 3. MALARIAL PARASITES	<b>Medication Advised :</b> 1. AUGMENTIN DUO TABLET 2 Times Daily for 5 days 2. PAN 40MG TABLET Once Daily Before Food for 5 days 3. MEFTAL TABLET SOS
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**Diagnostics Done :**

**Follow-up :** 2021-07-10

**Miscellaneous Notes :**  
1. Mouth gargle 2 times daily for 5 days  
2. Soft diet for 2 weeks

**SimboAlpha creates a Medical Record  
within 30 seconds!**

# No Smart Solution Like Simbo!



Feature	Simbo BISLU	Simbo Alpha	Nuance ACI	Google / Microsoft	Suki, Saykara, Notable, Sopris	Augnito.ai / Shubhu.ai	DeepScribe / Others
Doctor Assistant	✓	✓	✓	✓	✓	✓	✓
Natural Patient Conversation Understanding	✓	✓	✓	✓			
Camera Integration	✓		✓	May be			
Speech-to-Text Engine	✓*	Self	Self	Self	3 <sup>rd</sup> Party	Self	3 <sup>rd</sup> Party
Clinical NLP/NLU	✓*	✓	✓	✓			✓
Clinical Speech-to-Text for India	✓*	✓				✓	
Pre-consultation Mode	✓						
Universal NLU	✓						
Wide-Context Story Inferencing Engine	✓						
Integration with health devices	✓						

\* Ability part of 'Universal NLU and BISLU'



## Market Size by Value

- Global transcription market is USD 60 billion with CAGR of 5% with US accounting for nearly 20% of this market
- Further, significant growth expected from health-tech software companies needing voice interface for software or clinical NLU for data analytics such as remote monitoring assistants and home healthcare interfaces

## Healthcare Voice AI in the US

- Nuance Dragon used by 550K physicians. ~\$1 billion in revenues.
- Microsoft Acquires Nuance for \$19.7 billion. Nuance acquired Saykara
- Suki's total funding \$40million, Deepscribe recent \$5million
- Big players bet in space: Amazon, Google and Microsoft. Amazon expanding heavily in Voice-to-Text in healthcare.

## Market Size by Data

**India:** 5+ billion consultations and 100+ million admission every year

**USA:** 1+ billion consultations every year

**Worldwide:** 8+ billion consultations every year

## Indian Health-tech Landscape

- Pharmeasy expansion and acquisitions like Thyrocare.
- Tata getting into this space by acquiring majority stake in 1mg and Curefit.
- Indian Health-tech to see 39% CAGR in this decade.
- Indian health-tech to become \$50 billion by 2033





## Early Traction

**Doctors:** 152 Commercial Licenses

## Partnerships / Alliances

**Strategic:** Amazon, World Economic Forums, Dept. of Health – UAE

**HMIS/EMR Partners:** SRIT, Manorama Infosolutions, ValueMomentum Inc., 21<sup>st</sup> Century, TrioTree, BestDoc, m16 Labs, Bestosys etc.

**Ongoing EMR/HIS:** eSanjeevani (CDAC), Practo etc.

**Pharma:** Roche, Merk (Ongoing)

**Early Adopters:** RGCI, Leading KOL Doctors in various regions

**Cloud/GPU:** NVidia Inception \$145K USD Credits. AWS Startup Ramp (Public Sector Support)

## Awards and Mentions



NASSCOM HIC Winner  
2021



HealthcareRadius  
Cover Page - Influencers



WEF DeepTech shortlist  
Centre for Fourth Industrial  
Revolution

## Simbo.AI Press Coverages





[connect@simbo.ai](mailto:connect@simbo.ai)

<https://www.simbo.ai>

