

# Turning Clinical Data into Actionable Insights with Generative AI- Powered Clinician Assistant



## ABOUT CLIENT

A global healthcare company headquartered in Texas, specializes in orthotic and prosthetic services, with clinics for more than in 900+ locations across the country, they create customized solutions for people of all ages, including state-of-the-art prostheses, braces, cranial helmets, and other devices designed to increase the mobility and function of each person we serve.

## THE CHALLENGE

The healthcare company faced significant delays in patient care due to the time-consuming process of handling clinical documents, including unstructured notes, lab results, medication, and family history. This resulted in a 50% delay in patient care, increasing stress for patients in urgent need of care.

The company aimed to enhance patient care and free up resources for other critical areas, benefiting both patients and healthcare providers.

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## SOLUTION

Acuvate implemented a Generative-AI powered Clinician Assistant solution. The solution enables healthcare professionals to upload patient documents and receive a concise summary from 200 to 1000 words depending on the clinicians' requirements. The conversational interface also allows clinicians to pose queries about the uploaded case document.

Quick information retrieval of patient history and document summarization.

User friendly as it is conversational & can understand Natural Language to answer the clinicians.

Leverages Azure Search and Generative AI responses, utilizing GPT models, prompt engineering and summarization techniques.

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## TECHNOLOGIES USED



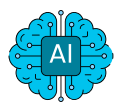
Azure Cognitive Search



Azure OpenAI Services



GPT-Based Model



Generative AI

## RESULTS

**90%**

reduction in time taken for information discovery.

**10X**

increase in productivity of the clinicians.

Improved patient care quality.

## About Acuvate

With over 17 years of experience in digital solutions, accelerating enterprise-wide digital transformation with our AI accelerators, we provide solutions and services that modernize, automate and support organizations. We help our customers transform their conventional processes to match the next-generation technological trend. We have a strong presence in the US, Europe, and the Middle East, where we serve multiple Fortune 500 companies. We specialize in New-age AI solutions, Migration & Modernization, and Digital Workplace Solutions. With our multi-skilled experts and packaged AI accelerators, we deliver unparalleled efficiencies and accelerate time-to-value for our customers