

Voice AI Assistant and VR App for HealthTech Startup

blackthorn.ai team worked on VR application and AI healthcare assistant. The team has accomplished 3D designs, WebGL and Unity coding, Large Language Model (LLM) development and deployment, and database integration.

The challenge

To integrate mobile application, wearable and insertable biosensors, medical records, XR health studio, and digital twin with multiple organ systems as data sources for large language model-backed AI Assistant to provide health, diet, and exercise recommendations.

The solution

A scalable cloud backend with a VR healthcare studio, a large language model-powered AI avatar, and a 3D digital twin was developed. This innovative system aggregates data streams from VR and mobile application, alongside information from wearable and insertable sensor and comprehensive patient health records, and processes this data, offering insights, and advice on health, diet, and exercise.

The result

Functional VR Studio where a user can move freely and interact with details of the interior. A digital twin of multiple organ systems visible and interactive, as well as the AI assistant responding reasonably to health- and diet-related questions. Human-like voice of AI Assistant (converted to voice textual output of large language model).

“ Alex and his team work fast and provide quality work because they pay attention to detail. Third-party contractors often take shortcuts and don't communicate well, but we've never had this issue with Blackthorn. They have also offered solutions to assist with other company challenges we've come across while we've been working with them. ”

Samy Kalem, an executive at HealthWorks Dx Inc.



About HealthWorksDX Inc.

HealthWorks combines a VR healthcare studio, mobile app, and wearable and insertable biosensor, collecting the user's health data, which an AI assistant is supposed to process. This system intends to help health-conscious consumers manage their health, and chronic diseases and predict future health outcomes.

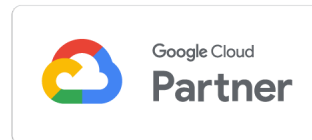
Vertical/horizontal solution: Healthcare & Life Sciences

Primary project location: Canada

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About BLACKTHORN AI LTD

blackthorn.ai is a leading AI software company offering full-cycle product AI-powered development services in Healthcare and Life Sciences.



Products

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