ONEBONSAI

CASE STUDY

NutriVerse

Immersive VR training that helps nutritionists and medical students design effective diet plans for critically ill patients.

Platform: VR



Project overview

Immersive VR training that helps nutritionists and medical students design effective diet plans for critically ill patients.

About the project

OneBonsai developed NutriVerse, a VR training platform that helps nutritionists and medical students practice creating diet plans for critically ill patients. By combining realistic patient cases with interactive learning, NutriVerse bridges the gap between theory and practice, improving confidence and preparing specialists for real-world clinical challenges.

Challenge

Bridging the Gap Between Theory and Clinical Nutrition Practice

Nutritionists and medical students often struggle to translate theoretical knowledge into practical skills when designing diet plans for critically ill patients. Traditional classroom lectures and textbook exercises fail to capture the complexity and urgency of real clinical nutrition scenarios.

Without hands-on practice with realistic patient cases, students lack the confidence and experience needed to make critical dietary decisions in high-stakes medical environments. There was a clear need for a training tool that could simulate real-world clinical challenges in an engaging, interactive way.

> *"Students struggled to apply nutritional theory to complex patient cases, and lectures alone weren't enough."*

Solution

VR-Based Interactive Patient Case Training

OneBonsai developed NutriVerse, an immersive VR training platform where nutritionists and medical students practice creating personalized diet plans for virtual critically ill patients. The platform presents realistic patient cases with varying conditions, medical histories, and nutritional needs.

Trainees interact with virtual patients, review medical data, and design diet plans in a safe, controlled environment. The system provides real-time feedback on decisions, helping learners understand the impact of their choices and develop clinical reasoning skills through repeated practice.

Approach

Bridging Theory and Practice with Immersive Learning

NutriVerse was developed in close collaboration with clinical nutrition experts and medical educators to ensure the patient cases and scenarios reflected real-world complexity. Each case was designed to

challenge trainees at different skill levels, from basic nutritional assessments to complex multi-condition patients.

The platform leverages immersive VR to create an engaging learning experience that feels authentic and meaningful. By combining expert clinical knowledge with cutting-edge VR technology, NutriVerse provides a scalable training solution that can be deployed across educational institutions and hospitals.

> *"Designing diet plans in VR was engaging and helped me really understand complex patient needs."*

Outcome

Better Prepared Nutrition Specialists

NutriVerse has proven effective in improving the confidence and competence of nutrition students and professionals. Trainees who completed the VR program demonstrated stronger clinical reasoning skills and greater readiness for real-world patient interactions.

The interactive, practice-based approach led to higher engagement and better knowledge retention compared to traditional teaching methods. NutriVerse is setting a new standard for clinical nutrition education, providing a scalable and impactful tool that prepares the next generation of nutrition specialists for the challenges of modern healthcare.

> *"This is the future of training for clinical nutrition, interactive, practical, and impactful."*

Discuss a similar project

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