



techmango[®]

GenAI-based mind and behavior transformation platform



GenAI-based mind and behavior transformation platform

Service offered: Development of a comprehensive and agile AI-based transformation system

Industry: Consulting

BACKGROUND

The client is based out of the Middle East, and holds a mind and behavior transformation platform that can analyze and understand user's emotions, thoughts and behaviors to offer personalized interventions in order to help them attain their desired transformation. The client faced certain technical and scalability issues with the current platform and so approached us to build a smooth conversational AI system that helps end users harness the topic assessment, utilize insights, and delve deeper into imaginative aspirations without any hassles

They also required this agile system to communicate with end users about their life categories, questioning to foster dynamic exchanges and creative ideas, and so on.

SOLUTION IMPLEMENTED

- Our team had regular discussions with the client to understand their vision, goals, and requirements with the AI system. We carried out deep market research to uncover value propositions with key features.
- Development of an AI system with a scalable architecture featuring resilient GenerativeAIs like ChatGPT, speech-to-text and text-to-speech APIs, Google Cloud, Stripe payment gateway, Zoom API, etc.
- Creation of a responsive design that is compatible with all devices, making sure of instructive design for smooth feature access and adhering to advanced design principles.
- Embraced microservices for modular backend solutions, efficiency, and optimal flexibility.

OUTCOMES



45% Increase in user satisfaction



55% Increase in operation efficiency



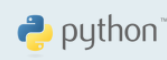
53% Increase in data protection and compliance

The client was extremely happy with the performance of the platform. The integration of AI capabilities improved the platform, offering effective and personalized solutions to the users. The robust architecture and keen focus on compliance paved the way for trustability on the platform. Enhanced efficiency with real-time updates and smooth integration elevated engagement levels and performance of the platform.

SOLUTION IMPLEMENTED

- Deployment of MongoDB to handle big volumes of constructed data, excessive indexing for swift retrieval, and streamline data modeling.
- Employment of AI-driven models for tailored recommendations and NLP for virtual interactions
- Rollout on cloud infrastructure using CI/CD pipelines with monitoring tools and technologies for performance management

Technology Used



API programming language