

# FluentalkAI

## Challenge

### Personalized Targeted Language Support

Crafting an AI-based language learning experience that adapts to individual needs and learning styles remains a significant challenge, as it should be customized with multiple language interfaces, integrating diverse cultural elements.

### Language Learning Challenges

Creating real-world AI-based immersive language learning experiences that engage users in dynamic, lifelike scenarios, and immersive conversations presents a complex challenge as it should maintain learner interest and effectiveness.

### Real-life scenarios and dynamic environment

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## Problem

Providing AI-based language learning to improve grammar, vocabulary, and pronunciation is complex and time-consuming

It is a very difficult and time-consuming task to personalize AI-based language learning experiences for students and individuals around the world because it involves adapting educational content to various factors, such as age, preferences, and learning methods, which makes the process complex and resource-intensive. As the language-learning market is very competitive, our client wanted an AI language learning platform that would stand out by offering unique features that set it apart from existing products.

# Solution

An AI language teacher that would provide Immersive language learning with AI. We needed to develop an AI language learning coach that is both intuitive and user-friendly for beginners, while also offering advanced features for experienced language learners. FluenttalkAI solves these challenges by providing a platform designed to deliver personalized language instruction and AI-based immersive language learning experiences. It empowers students to master new languages effortlessly, anytime, and anywhere, tailored to their learning levels.

AI language teacher uses advanced natural language processing and speech recognition to deliver a personalized AI-based language learning experience. It features an AI avatar for engaging conversations, an AI translator for seamless translations, and a pronunciation tool for feedback. The platform includes an admin panel for monitoring and a student panel for interactive sessions, offering flexibility in communication methods like voice, text, or roleplay.

# Results

As an AI solution for language barriers, FluenttalkAI supports learning across more than 21 languages, including popular options like German, Spanish, and English. Serving as a virtual language guide, it enables users to converse, translate, and practice pronunciation efficiently, automating up to 87% of manual learning processes and potentially saving users up to 80% of their time becoming the best success stories in AI language learning.

# The Process

## Product discovery & scope

We aligned with the business vision to create a comprehensive project brief that encompassed detailed market research, competitor analysis, and relevant data. We then transformed the concept into a tangible plan by outlining user stories and features for providing language learning with AI, including an AI avatar for role plays, an AI language translator, and a pronunciation assessment tool, to validate the core assumptions of the MVP.

## UI/UX screen development

We began by designing the key screens to give the client a preview of the AI language learning platform's look. After refining the UX/UI based on their feedback, we finalized these primary screens and then expanded the design to include all additional screens, delivering the complete UX/UI for the product.

## Solution development

At this stage, our focus shifts to developing the AI language teacher by designing the architecture of the AI model and training it.

## Iteration and monitoring

After the product launch, we collected feedback from end-users to refine and enhance the product. We introduced new iterations and features concurrently to ensure an optimal user experience.

# Key Features

## **Smart Avatars**

Choose from 10+ Smart Avatars to have **immersive conversations** that cater to your needs real-life scenarios.

## **Pronunciation Analysis**

Get real-time pronunciation analysis of your words, phrases, or sounds and refine it according to the language accent.

## **Real-Time Grammar Insights**

Get instant feedback on your grammar, and vocabulary as you speak and write.

## **Multilingual Question Handling**

Pose questions in your mother tongue regarding your target language—perfect for those just starting out.

## **Instant Translations**

Easily translate a word or phrase that you are curious about in any language you want.

**Pronunciation Analysis**

At the coffee shop

Hello welcome to my cafe. How may I assist you today

At the bakery

Calling a taxi

At the restaurant

Doctor's visit

Shopping for cloths

**All Languages Tutor**

I'd like to have a conversation in ...

English United States	English United Kingdom	English Australia	Polish Poland
Dutch Netherlands	French France	German Germany	Indonesia Indonesia
Norwegian Norway	Brazil Brazil	Portuguese Portugal	
Russian Russia	Spanish Spain	Swedish Sweden	Japanese Japan

# AI Chatbot

