Synth-Minds

Problems

- Lack of Personalization in Conventional E-learning Platforms: Conventional e-learning platforms often deliver standardized content to a wide range of learners without considering their individual needs, preferences, and learning styles. This one-size-fits-all approach may not effectively engage learners or address their specific knowledge gaps. Personalized learning experiences have been found to enhance learner engagement, motivation, and knowledge retention.

- Struggles with Information Retention and Practical Application: Several studies have indicated that learners often face challenges in retaining the information they have learned through passive learning methods, such as reading or watching videos without active engagement. The lack of interactive components and hands-on experiences in traditional e-learning can limit learners' ability to apply their knowledge to real-life scenarios effectively.

Build interactive bots backed by knowledge

Welcome to Synth-Minds, a platform for building interactive knowledge bots! With Synth-Minds, you can create your own intelligent bots by uploading various forms of content such as PDFs, TXT files, or videos. These bots are designed to be a valuable resource for anyone seeking to understand a particular topic or subject matter.

How it Works

1. **Create Your Bot:** Chat with Synthia to start creating your bots. She will guide you on uploading your content in PDF, TXT, or video format. Our sophisticated AI engine will analyze and process the information to build a knowledge base for your bot.

2. **Interactive Learning:** Once your bot is created, you can interact with it just like you would with a human expert. Ask questions, seek explanations, and engage in dynamic conversations to deepen your understanding of the subject.

3. **Share and Collaborate:** Love the knowledge bot you've created? Share it with others! Collaborate with friends, colleagues, or students to foster a community of learners around your bot's expertise.

Features

- **Personalized Learning:** Synth-Minds bots adapt to your learning style and pace, providing a personalized educational experience.

- **Knowledge Expansion:** The more content you upload, the smarter your bot becomes, making it an ever-evolving source of knowledge.

- **User-Friendly Interface:** Our intuitive interface makes it easy for anyone, even without technical expertise, to create and interact with bots.

- **Accessibility:** Engage with your knowledge bot anytime, anywhere, from any device with an internet connection.

- **Security and Privacy:** Your uploaded content is handled with utmost confidentiality, ensuring the security and privacy of your data.

Use Cases

- **Educational Institutions:** Teachers can create bots to assist students in understanding complex topics and enhance classroom learning.

- **Research and Study Groups:** Collaborate with peers to build comprehensive knowledge bots for research or study purposes.

- **Professional Development:** Empower employees to access on-demand training and information related to their fields.

- **Ecommerce**: Voice Bots which can help create a more engaging and personalized experience for the shoppers.

Join Synth-Minds today and revolutionize the way you acquire knowledge. Build interactive bots that share expertise and inspire learning across the globe. Let's make knowledge accessible to everyone, everywhere.

Technology Stack

- Backend
  - Text To Speech (ElevenLabs.io)
  - FastAPI
  - Python
  - LangChain Agents
  - Llama_Index
  - Supabase
  - Speech To Text (Whisper)
- Frontend
  - ReactJs
  - Chakra-UI
  - ViteJs for build system
  - Voice Activity Detector Silero using ONNX Runtime
- Deployment
  - Backend deployed with Railway.app as docker container
  - Frontend deployed with Vercels as create-react-app

Revenue Stream

- **Bot Sales Commission:**

  - **Marketplace for Interactive Bots:** "Synth Minds" empowers bot creators to publish their interactive bots for sale on our platform.

  - **Revenue Generation:** We earn revenue by charging a commission on each successful bot sale.

  - **Commission Rate:** The commission rate is set at [5%], ensuring a fair partnership with creators.

- **Data Analytics and Insights:**

  - **Optimizing Bot Offerings:** We provide bot creators with advanced data analytics and insights to enhance their offerings.

  - **Premium Data Analytics Packages:** Creators can subscribe to premium data analytics packages, gaining valuable performance data.

Backlog

- Currently the platform supports creating only 1 bot. Allow for creating more than one bot.

- Show all the newly created bots in one page with publish option.

- Add the marketplace portal for publishing and consuming bots.

- Integration with other platforms: Allow deploying the new voice bot on other platforms like discord or slack or Shopify and more

- Enhance the voice interaction user experience to make it smooth.

- Improve system prompts of the AI Agents.

- Integrate with open source LLMs, for private bot experience.