

Books Made Easy

- Upload your books effortlessly and pose inquiries without tedious searching.
- Receive prompt answers accompanied by contextual details like page numbers and topics.
- Choose between viewing a concise summary generated by the application or exploring the entire section within the book.
- Enjoy support for multiple languages, enhancing accessibility and usability to understand books in your own language.



Meet the team



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Whom will it help?

It will help all the learners and readers across the globe to read and learn effectively

- Students: Quickly find answers to specific questions without having to sift through entire textbooks, enhancing study efficiency.
- Educators: Easily locate relevant information to support teaching materials and lesson planning.
- Researchers: Streamline the process of gathering information by accessing precise answers and contextual details.
- Book enthusiasts: Enhance the reading experience by easily navigating through books and gaining deeper insights into specific topics.
- Multilingual individuals: Access information in their preferred language, breaking down language barriers and promoting inclusivity.



MARKET

Currently, our primary target market comprises educational and research institutions, as their students and learners stand to benefit significantly from this application.

Some numbers to get an Idea of market -

- University of Virginia's EdTech Evidence Exchange analysis finds that edtech spending is between **\$26 billion** and **\$41 billion** per year
- Students and new researchers should try to spend at least **20–30 minutes** per day scanning abstracts and identifying articles to examine in depth



Timing

We are confident that now is the ideal moment for our application to enter the market for the following reasons:

- Rise of generative AI models and their capabilities
- Personalization with AI
 - Delivering personalized recommendations by analyzing user preferences.
 - Enhancing user engagement through tailored experiences derived from past interactions.
- Scalability options:
 - Leveraging digitalization for seamless product scaling to meet a growing user base.
 - Harnessing cloud computing and digital platforms to ensure flexibility for rapid expansion.

Addressed Challenges and Offered Solutions



Autonomous RAG based on books:

The app is designed to streamline the creation of personalized RAG by leveraging the user's personal library of books. It simplifies the process of retrieving relevant information, making it easy and efficient for users.



Autonomous fine tuning of RAG using Trulens:

By leveraging the Trulens library, we automate the fine-tuning process of prompts to deliver more accurate and precise outputs.



Multilingual Capability

Utilizing open AI models' multilingual capabilities, our app can process inputs and produce outputs in multiple languages, ensuring ease of communication across diverse user bases.

Our Tech Stack

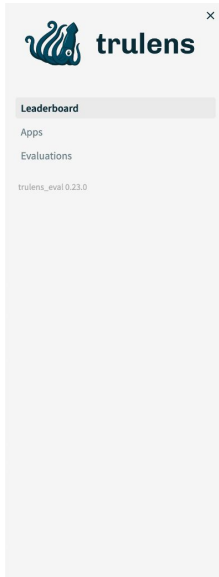
We have utilised some of the most new and emerging technologies in the market today to design a future-forward product



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- **Lang Chain** : LangChain simplifies building chatbots and natural language apps by integrating large AI models like GPT-4 through its modular design and easy connections.
 - **GPT 4 turbo and 3.5** : An OpenAI latest generation model which excels in chat-based applications.
 - **TruLens** : A software tool that helps to objectively measure the quality and effectiveness of your LLM-based applications using feedback functions.
 - **Streamlit** : Simplify generating interfaces and dashboards compared to manual GUI programming

Demo

Improvements made using TruLens



trulens

Leaderboard

Apps

Evaluations

trulens_eval 0.23.0

App Leaderboard

Average feedback values displayed in the range from 0 (worst) to 1 (best).

rag-promtv1-c35

Records	Average Latency (...)	Total Cost (USD)	Total Tokens	ContextRelevance	Groundedness	GroundTruth	AnsRelevance	Select App
6	1.83	\$0	0	0.72 ▲ medium	0.72 ▲ medium	0.8 ▲ medium	0.97 ✔ high	

rag-promtv1-c40

Records	Average Latency (...)	Total Cost (USD)	Total Tokens	ContextRelevance	Groundedness	GroundTruth	AnsRelevance	Select App
6	1.83	\$0	0	0.68 ▲ medium	0.6 ● low	0.7 ▲ medium	0.97 ✔ high	

- Leveraging TruLens-eval Feedback functions and a QA dataset on PDFs, we've automated the process to determine the optimal method, ensuring the highest scores.
- As demonstrated above, in the backend, we obtained scores for the feedback functions.



Future Plans and Goals

- E-Book Integration: Enable direct import from e-book platforms.
- Advanced Search: Add filters for precise queries.
- Community: Foster user interaction and collaboration.
- Audio Book Support: Include functionality for audio books.
- Academic Integration: Partner with scholarly databases.
- Personalized Recommendations: Use AI for tailored suggestions.
- Interactive Reading: Incorporate highlighting and note-taking.
- Gamification: Introduce badges and leaderboards.
- Accessibility: Enhance features for users with disabilities.

Thank you!

