StudyBuddy App

Learn Smarter, Not Harder

Empower by:





Vertex Al





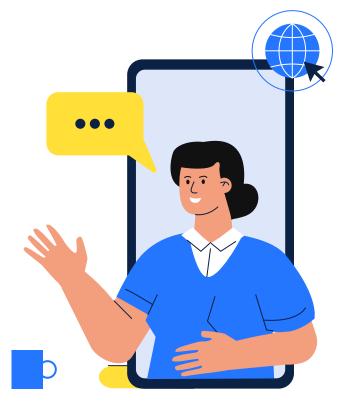




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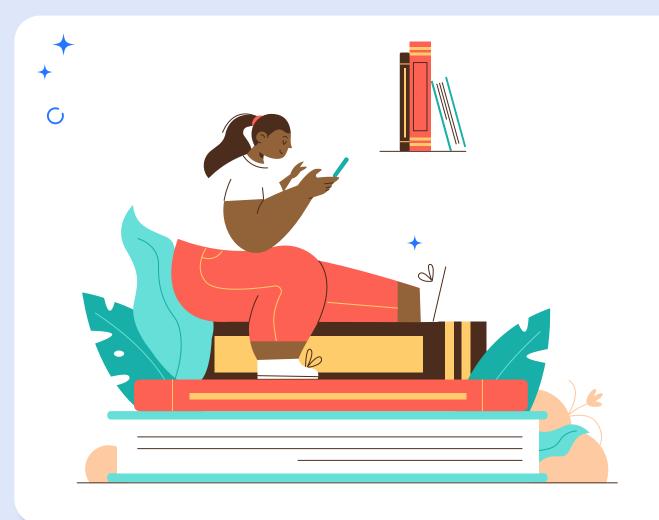
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Problems



Problems

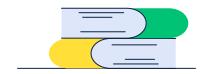


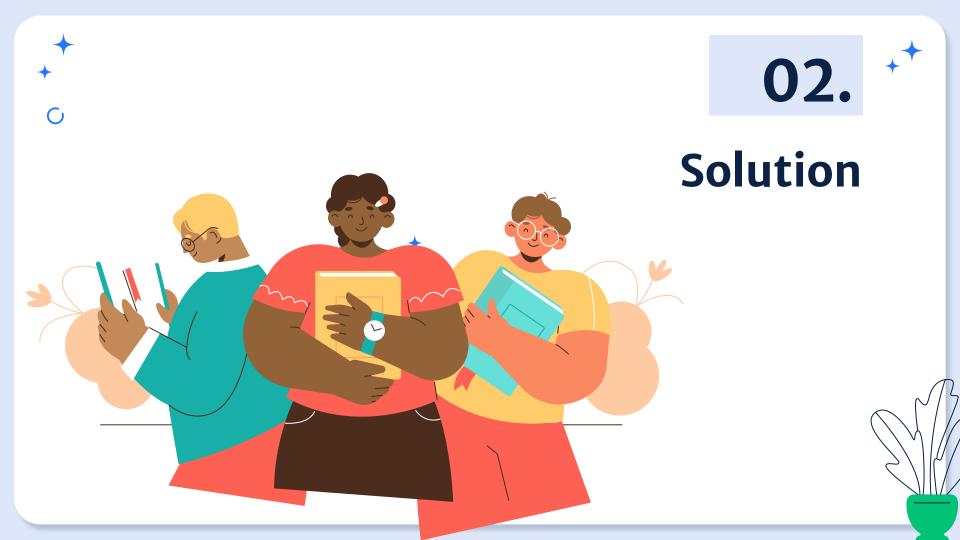
1. Difficulty in Accessing and Understanding Complex Course Material

Inefficient Study Techniques and Time Management

Challenges in Preparing for Tests and Identifying Key Learning Areas







Q&A with Course Content:

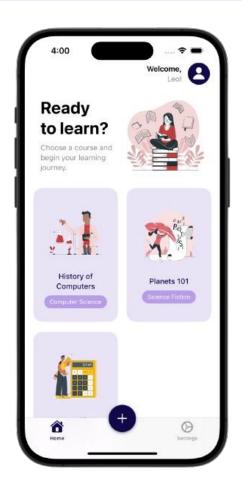
Quickly query images or PDFs from study materials for immediate, accurate answers.

Effortless Flashcard Creation:

Turn course materials into custom flashcards for efficient study

Quiz Image Solver

Snap a quiz photo and receive answers sourced from your course materials.





TruLens: Game changer



LLMs Explainability

Assistance in Understanding LLMs despite their level of abstraction.



Find edge cases

Documents with questions at the end.



Advance RAG techniques

Output class format, using Sentence splitters, configuring the chunk parameters.



Monitor the RAGs in production







Insights from TruLens



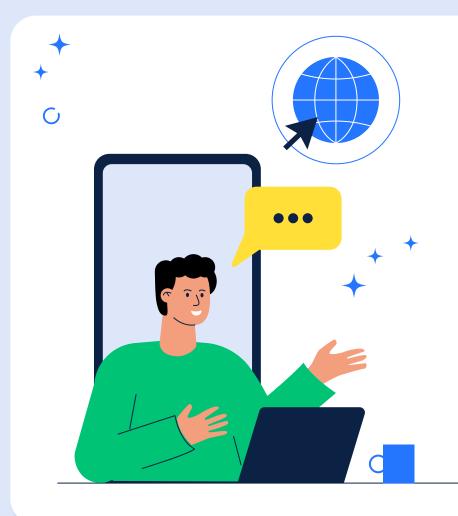
OCR without post processing





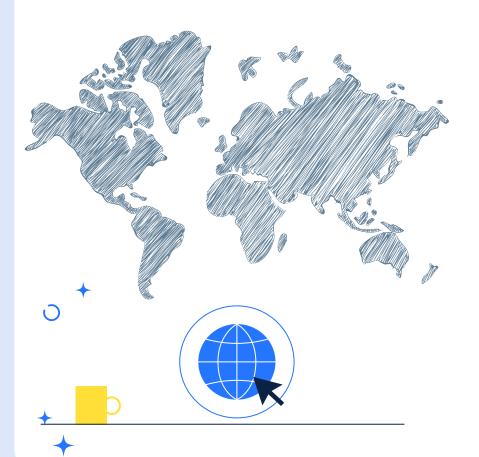






Market opportunity







Estimated size of the global educational technology market by 2022

\$ 342.2 billion

Estimated size of the global educational technology market by 2030

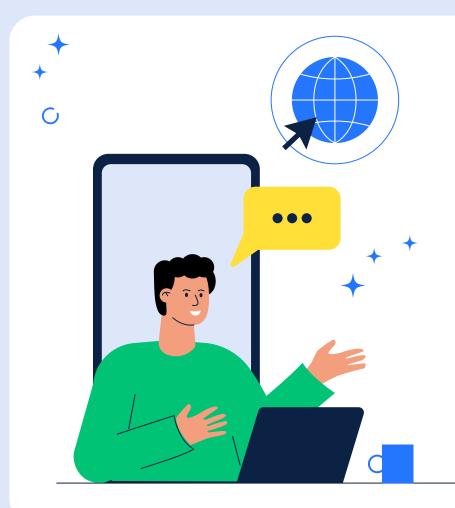
\$0.8 billion

Target market for 2024

https://www.grandviewresearch.com/industry-analysis/education-technology-market



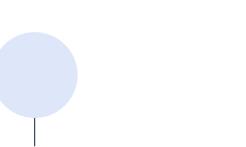




Business Model

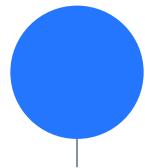


Business Model



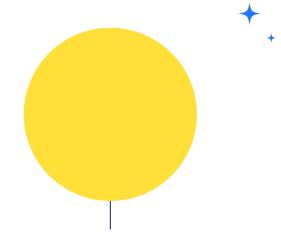
Free Basic Version with Essential Tools

A free version of the app featuring essential study tools such as basic Q&A with Course Content and limited flashcard creation capabilities.



Premium Subscription Tiers

Offer tiered subscription plans with escalating features, including advanced Q&A sessions, unlimited flashcard creation, and exclusive access to premium study resources.



Personalized Learning Recommendations

Utilize data analytics to offer personalized learning recommendations for individual users, improving the overall user experience.





Competition



Clutch Prep

Focus: Video tutorials and study guides for complex subjects.

Cons: Limited learning style adaptation, fixed pace, potential content overload.



SparkNotes

Focus: Study guides for literature, poetry, and academic subjects.

Cons: Focus mainly on humanities, general guides lack personalization, may encourage surface-level learning.



Quizizz

Focus: Gamified guizzes for studying and test prep.

Cons: Gamification might overshadow learning depth, limited content depth, potential distraction from serious study.











Comprehensive Evaluation

Uses TruLens to rigorously assess and improve LLM application quality, focusing on groundedness, relevance, and minimizing toxicity.

Iterative Optimization

Employs an extensive library of feedback functions through TruLens, enabling constant refinement of app performance and user experience.

Customized Learning Paths

Leverages advanced AI to tailor content and study strategies to individual learning styles and goals.

Wide Academic Coverage

Offers extensive resources across various subjects, ensuring in-depth understanding and academic success.

Interactive Study Tools

Integrates interactive and engaging study aids, enhancing retention and making learning more enjoyable.

Real-Time Analytics

Provides instant feedback and analytics, allowing students to track their progress and focus on areas needing improvement.





Tech Stack and Architecture













Cloud Vision API











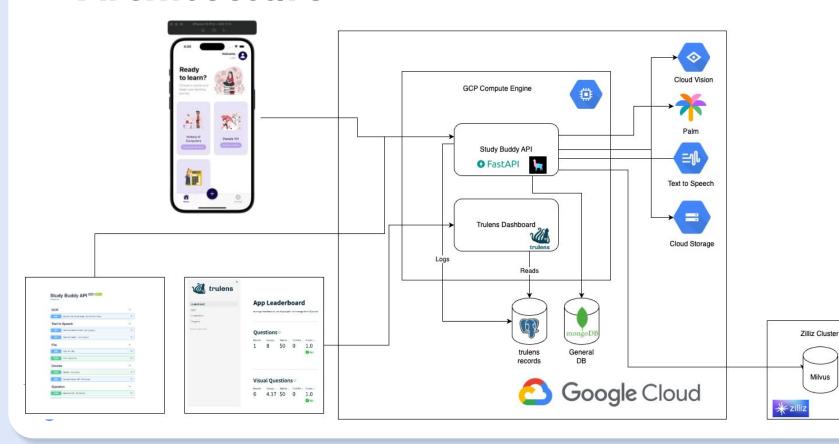








Architecture









Thanks!



Juan Carlos Ortiz



Yesid López



Steven Quintana



Sara Ortiz

