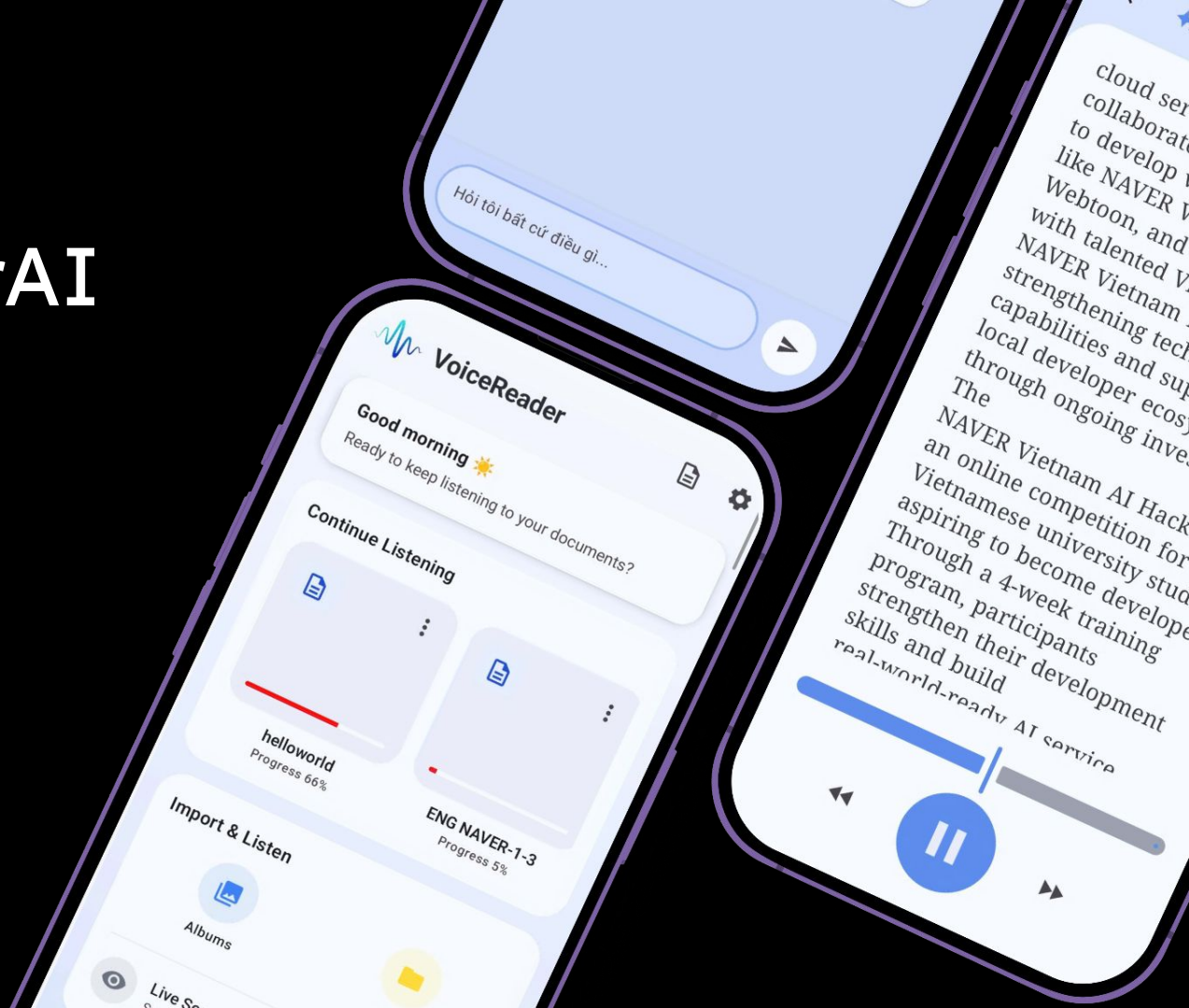


VoiceReaderAI

NaverUT

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1. Problem

“VoiceReaderAI: Your Mobile Reading Assistant”

The Problem:

Many people struggle to read long text because they **lose focus** easily, **zone out**, or have **reading difficulties** like dyslexia or ADHD.

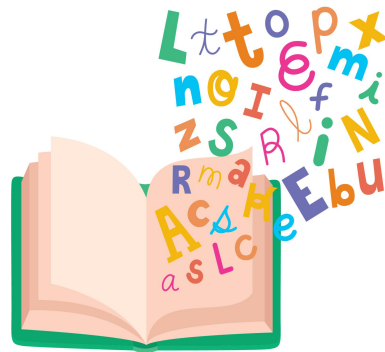
- Even short documents feel mentally draining, and they often can't finish or fully understand what they read.
- Current tools don't help them **stay engaged**, so information is forgotten quickly.



2. Solution

Our Solution

VoiceReaderAI lets you **listen to anything on your screen instantly**. Turn on the floating overlay and the app **reads text aloud**, **summarizes** it, and saves clean **notes** - all automatically, without switching apps.



Quote from an ADHD User

"I always drift off when reading on my phone. With VoiceReaderAI reading things out loud and summarizing them, I finally stay engaged - it feels like the app is focusing for me."

How to Get Started

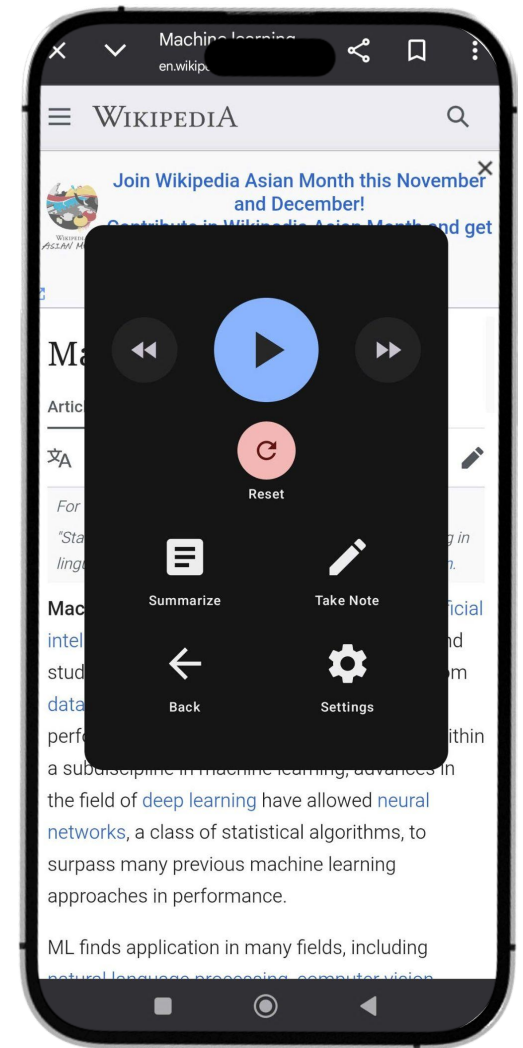
Download the app → Enable the floating overlay → Tap to read anything on your screen.
That's it. Instant audio, instant summary, instant notes.

Read Anything On Your Screen. Instantly.

Introduces a **smart floating overlay** that can read out loud anything currently displayed on your screen - without needing screenshots or switching apps.

- No screenshot required.
- No app switching.
- Works on any screen (web, social media, chat, documents...).
- Real-time, hands-free listening.

Just activate **Live Reader** and let the app read for you.

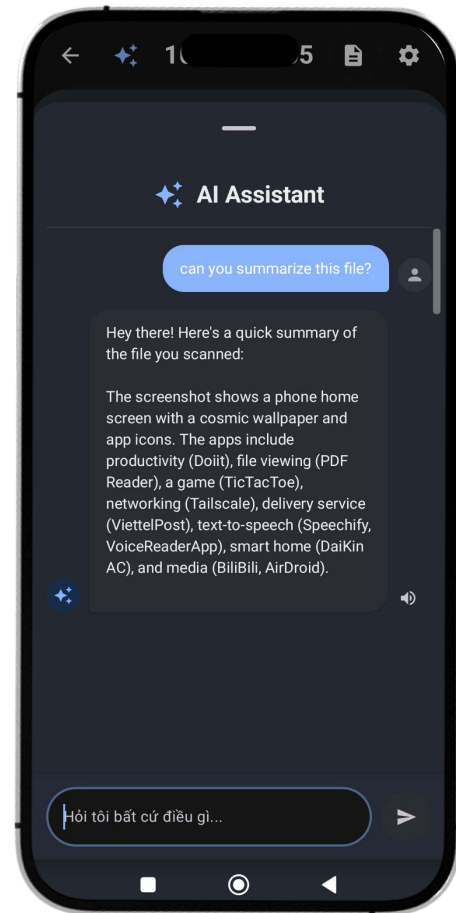
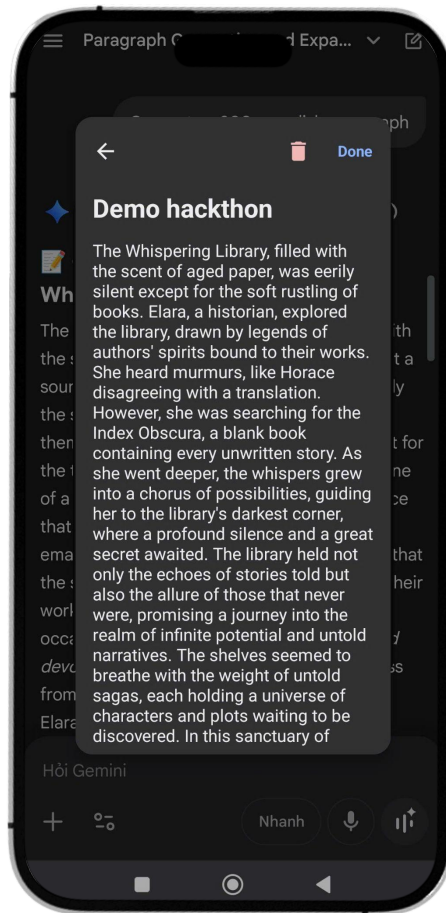


Understand Faster. Remember Better.

After the AI reads your content, you can instantly:

- Generate **quick summaries**.
- Create smart notes.
- Ask the integrated chatbot questions.
- **Review** any **content** read **in the past**.

Your reading becomes searchable, organized, and interactive.

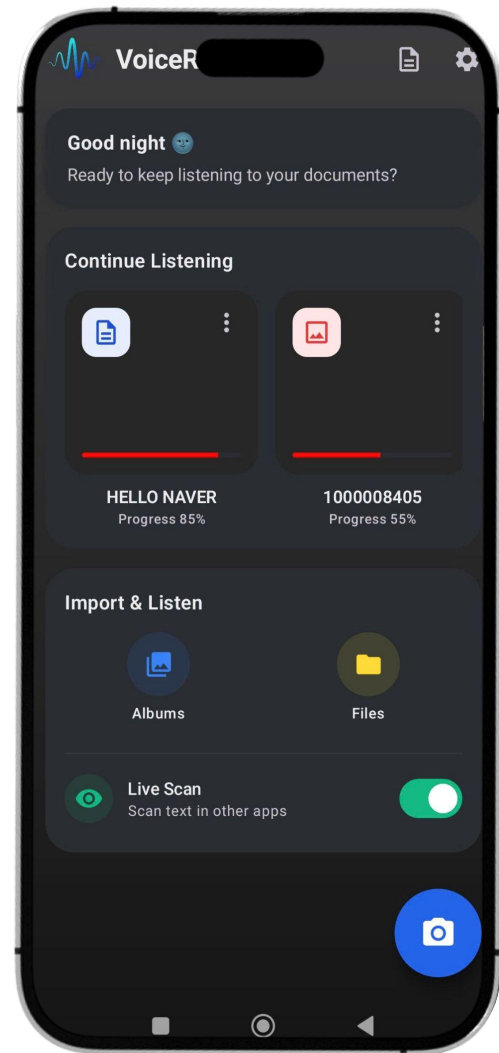


Import. Listen. Learn.

VoiceReaderAI not only reads on-screen content - it also supports importing:

- PDF documents
- Images (OCR)
- Screenshots
- Standard text files

Simply upload your file → tap Play → and the app will narrate everything for you.



3. How it works

VoiceReaderAI App *converts on-screen text* into *natural audio* using **CLOVA OCR & TTS**, then uses an **AI RAG system** to help users revise and understand the content

1. Text Extraction

- We capture user content from PDFs, images, or on-screen text.
- **CLOVA OCR** extracts clean text with high accuracy, even from messy scans.

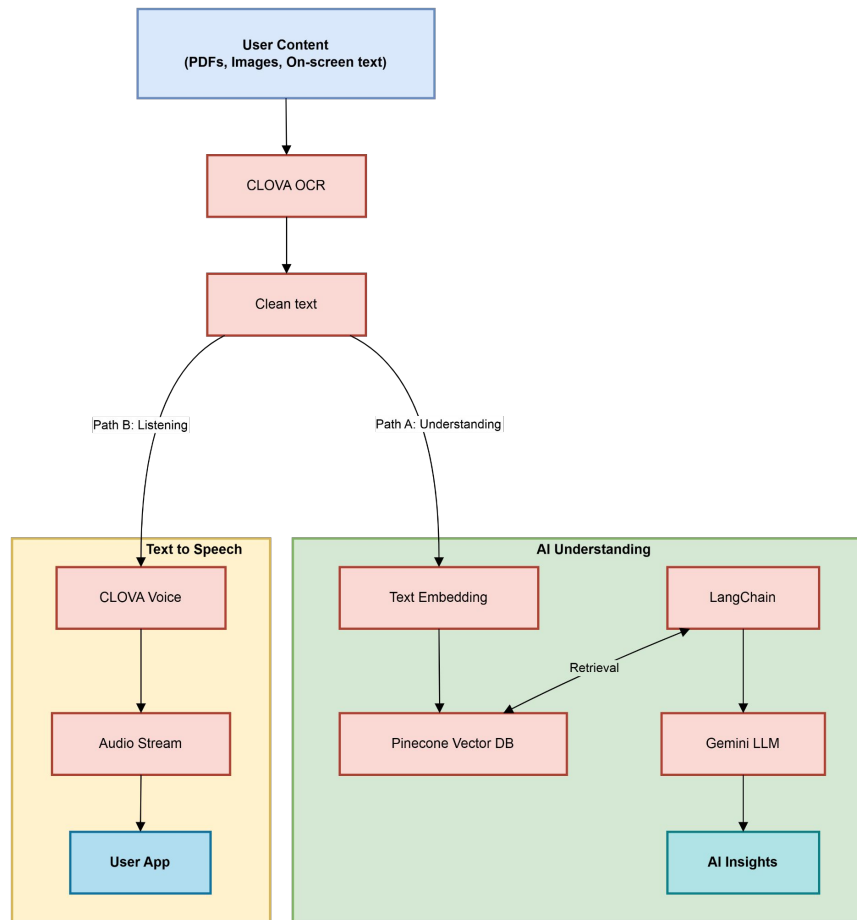
2. AI Understanding Layer (RAG)

- The full text is embedded and stored in **Pinecone**.
- We use **LangChain** to orchestrate retrieval + reasoning.
- **Gemini** powers the LLM that answers questions, summarizes, and reinforces what the user heard.

3. Text-to-Speech Conversion

- The extracted text is sent to **CLOVA Voice** to generate natural, human-like speech.
- Audio streams back to the app for immediate listening.

Flow Diagram



4. Tech stack

- **OCR:** CLOVA OCR
- **TTS:** CLOVA Voice



Clova

- **AI RAG:**
 - Gemini
 - LangChain
 - Pinecone



- **Backend:** Express.js
 - Deploy : Naver Cloud
- **Frontend:** Android Jetpack



5. Demo

Preview

Voice Reader AI



INSTANT NOTES



SMART READER



FOCUS ASSISTANT



6. FA Questions

What's unique about your approach?

We built VoiceReaderAI specifically for **ADHD** and **dyslexic** users who lose focus easily.

The app reads any screen aloud instantly, summarizes it, and saves clean notes - all without switching apps or copying text.

How do you make money?

Freemium model: free basics reading features; premium adds advanced summaries, note organization, and cross-device sync.

Why will people actually use this?

Because it **reduces cognitive effort**.

Users don't have to force themselves to read, switch apps, or fight distractions - the app keeps them engaged by reading for them, explaining things, and remembering key points automatically.



7. Next steps

Public Beta Launch

Release the app to early users to gather real-world feedback on UX, OCR/TTS accuracy, and AI-generated summaries. This will help refine the core features before a full launch

Expand Platform Support

Extend the app across iOS, Android, and desktop overlays to reach users wherever they consume content, ensuring a seamless experience across devices.

Improve AI Understanding

Enhance the RAG system to provide deeper contextual summaries, interactive Q&A, and reinforcement features, making learning and comprehension more effective.

Marketing & Partnerships

Collaborate with educational institutions, businesses, and accessibility tool providers to increase adoption and demonstrate the app's value across different user groups.



Thank you.

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