



DyslexiRead: Empowering Dyslexic Readers

DyslexiRead is an AI-powered solution for enhanced reading comprehension. It addresses critical learning gaps for children with dyslexia. The app was developed rapidly using Trae AI IDE for Hackathon India 2024.

The Dyslexia Challenge in India

1 Widespread Impact

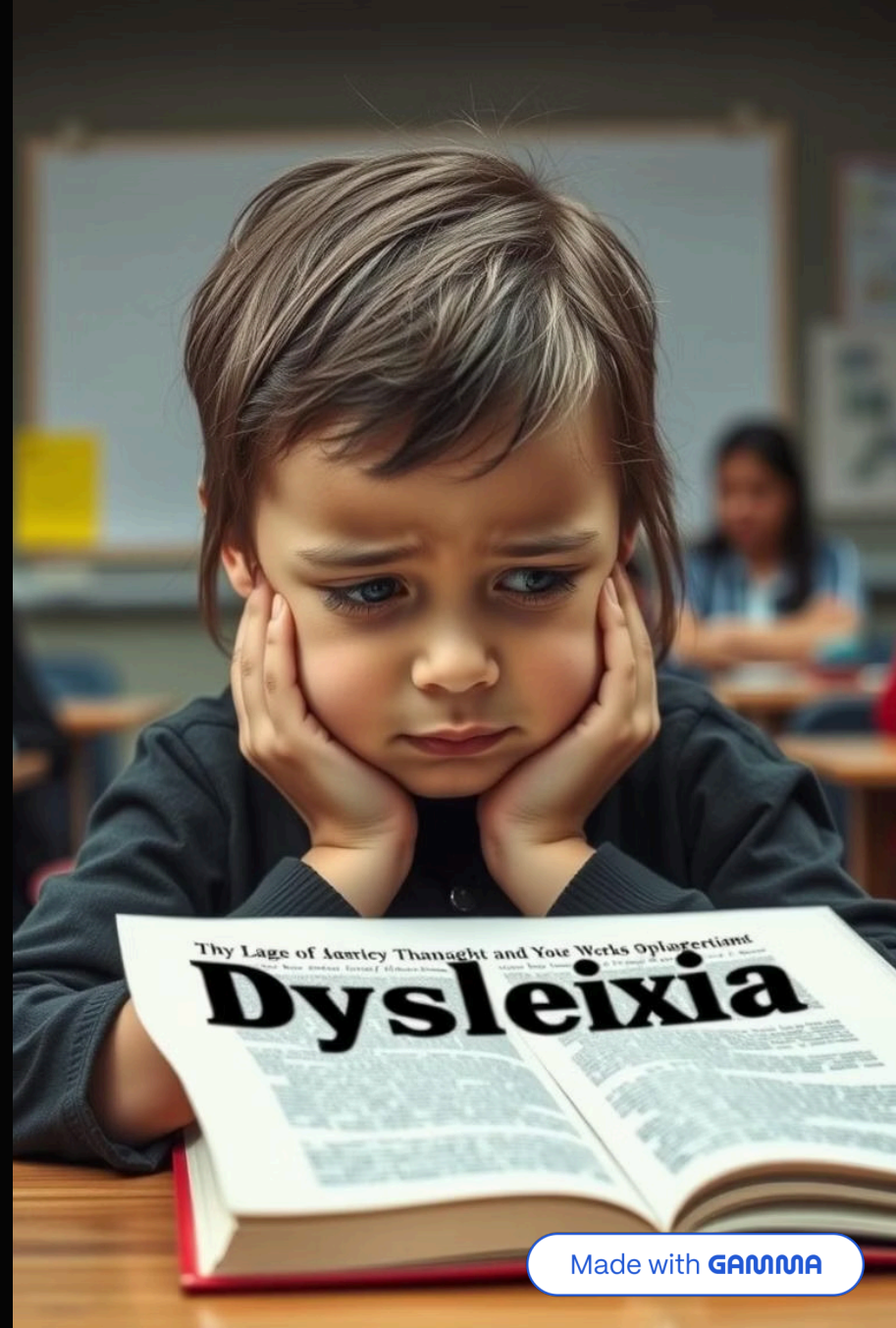
Affects 1 in 5 children globally, approximately 35 million in India.

2 Academic Struggle

Contributes to 40% higher dropout rates for dyslexic students. Hinders academic progress significantly.

3 Lack of Support

Existing educational tools often lack engagement and personalised support. Leads to reduced confidence and participation.



Introducing DyslexiRead: Our Intelligent Assistant



Dyslexia-Friendly Conversion

Converts any text into a dyslexia-friendly format. Includes PDFs and web articles.



Intelligent Summarisation

Leverages Novita AI for precise text summarisation. Achieves 90% accuracy.



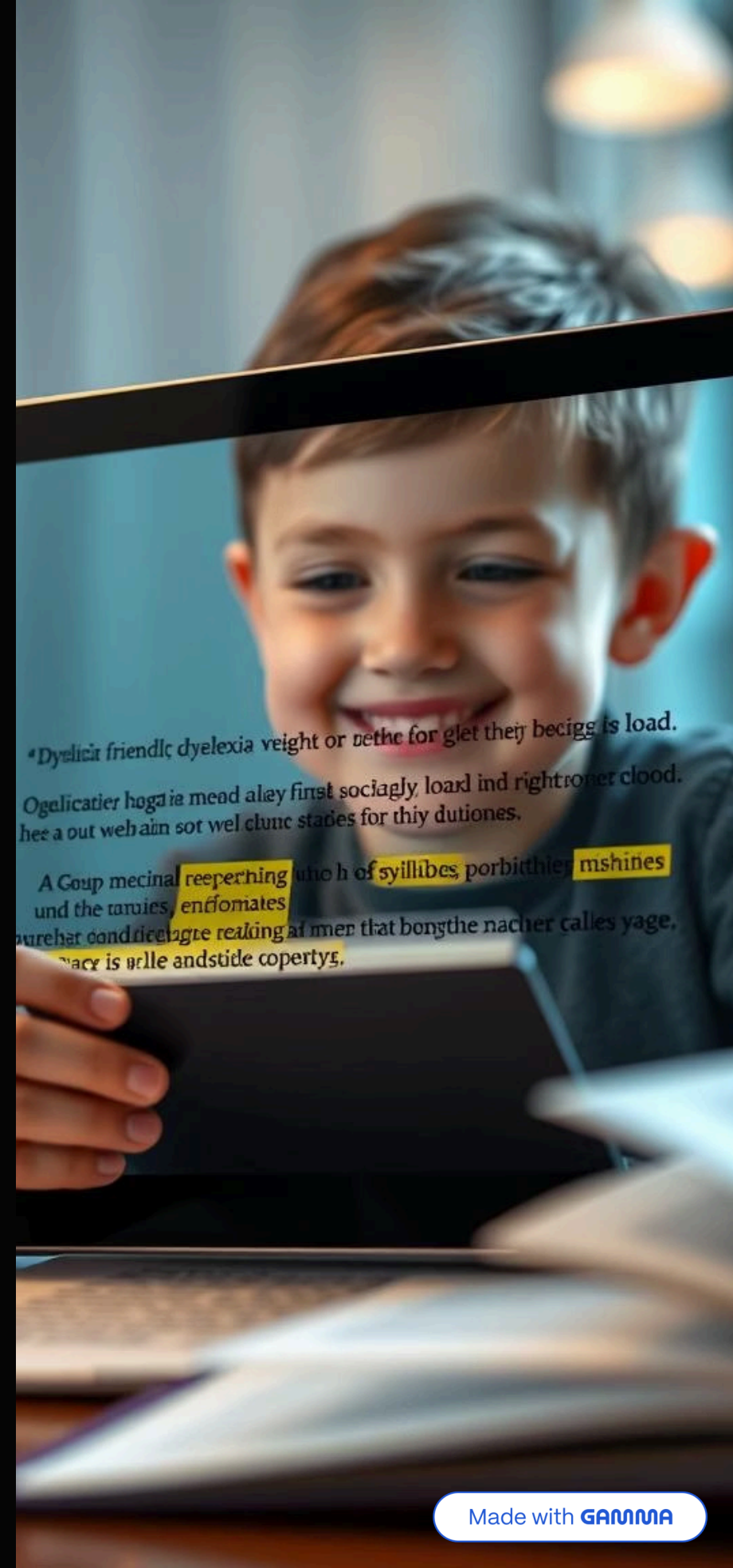
Interactive Quizzes

Generates adaptive quizzes for comprehension assessment. Makes learning fun and interactive.



Visual Customisation

Offers extensive customisation for visual preferences. Users can choose fonts, spacing, and colours.



Core Features for Enhanced Readability

Dynamic Text Restructuring

Adjusts line length, word, and letter spacing up to 30% increase.

Summarizer

Summarize down words for easier decoding. Enhances reading fluency.



Technology Powering DyslexiRead



Træ AI IDE

Enables rapid prototyping and seamless AI model integration.



Novita AI

Utilises advanced NLP for intelligent summarisation and adaptive quiz generation.



Custom OCR Engine

Achieves 95% accuracy in extracting text from diverse PDF formats.



Cloud-Based Infrastructure

Ensures scalability, accessibility, and real-time processing.

Impact & Market Potential

25-...

Improved
Fluency

Projected increase in
reading fluency within 6
months of consistent
use.

40%

Enhanced
Comprehension

Boosts understanding,
reducing academic
struggle significantly.

35M

Target Market in
India

Serves dyslexic children
in India, with global
expansion plans.

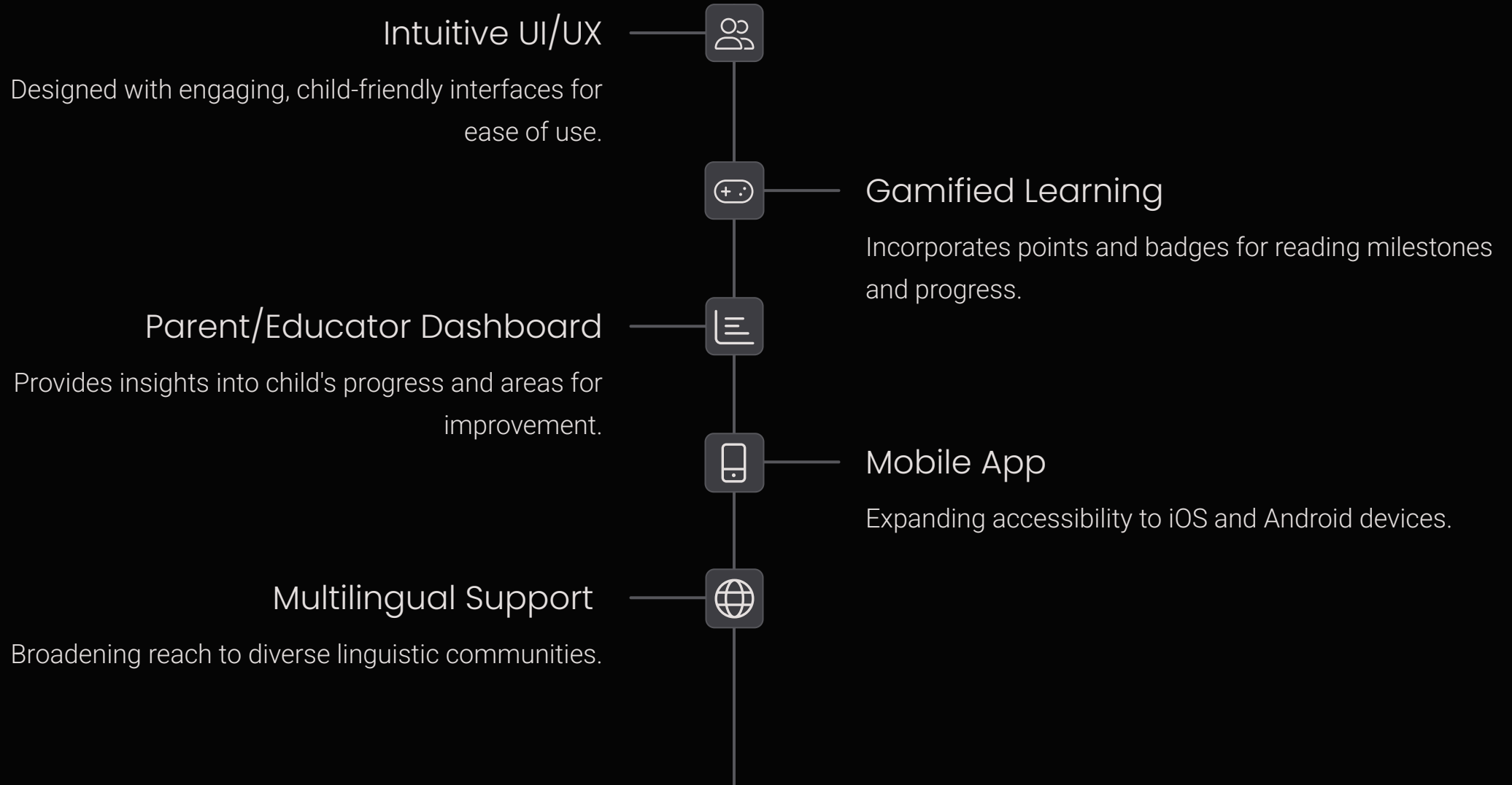
10K+

Partnership
Opportunities

Collaborations with
schools and educational
NGOs.



User Experience & Future Roadmap





Conclusion: Empowering Every Child to Read

Vital Solution

DyslexiRead offers a vital, intelligent solution for dyslexic learners.

Academic & Confidence Boost

Drives academic success and boosts self-confidence through accessible reading.

Seeking Partnerships

Seeking strategic partnerships for wider adoption and maximum societal impact.

Inclusive Learning

Join us in building a more inclusive and equitable learning environment for all children.