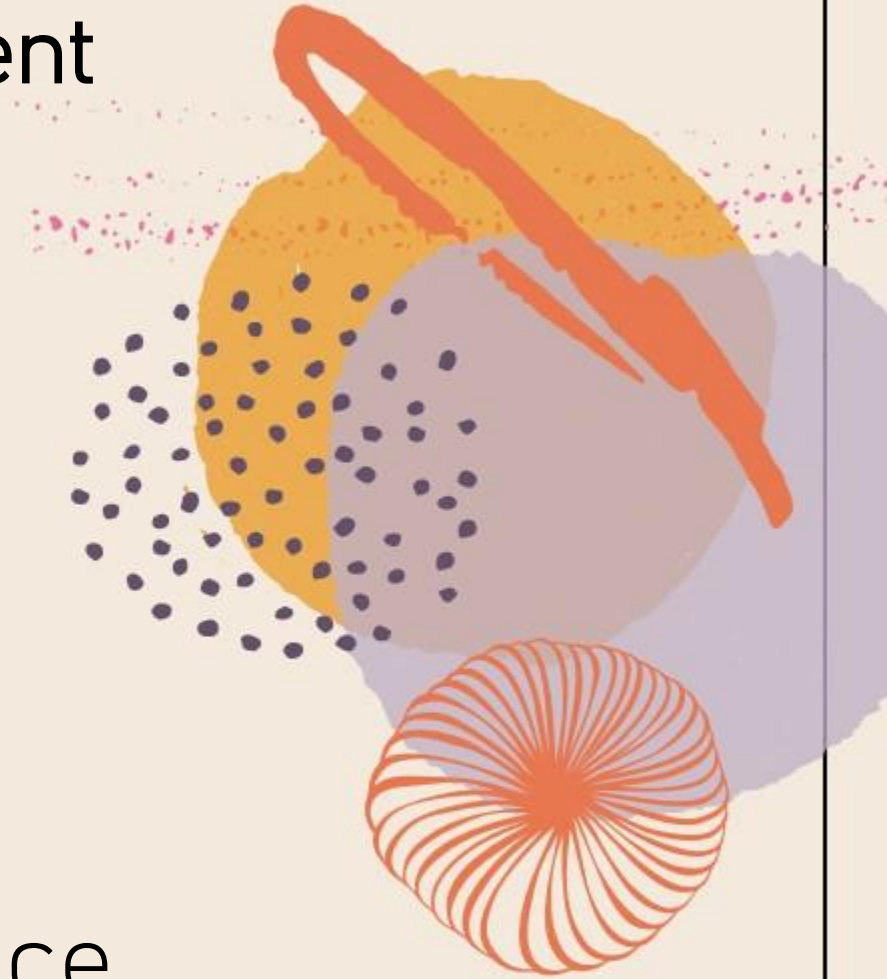


AI Flavoured Revolutionizing Document Comprehension & Learning

An innovative approach to enhance learning and understanding through AI.



Introduction to AI Flavoured



1. ➤ Uses AI for concise document summaries
2. ➤ Interactive interface for engagement
3. ➤ Supports multiple languages & personalized learning
4. ➤ Integrated audio for seamless access

Problems Solved by AI Flavoured

1. Challenge: Information overload impedes learning.
2. Complexity: Documents are hard to grasp, hindering understanding.
3. Inefficiency: Traditional methods are time-consuming.
4. Language Barrier: Limits collaboration and knowledge exchange.
5. Inflexible Learning: One-size-fits-all approach hampers learning.



Empowerment through AI

Overcoming overload, language
barriers, and enhancing learning
efficiency.

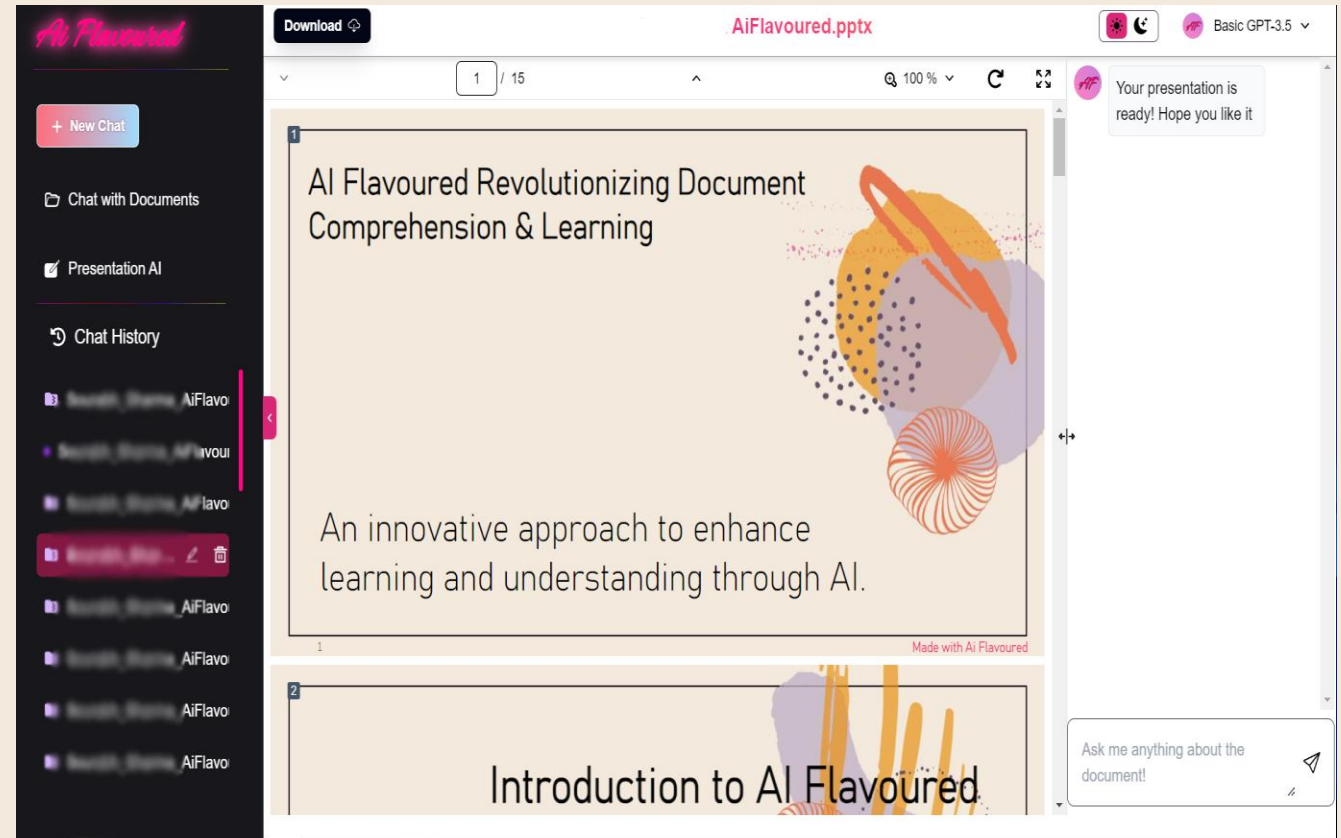
Features of AI Flavoured

1. Efficient Summarization: Condenses lengthy documents into concise summaries using advanced natural language processing.
2. Interactive Communication: Real-time dialogue with AI assistant fosters deeper understanding and active learning.
3. Multilingual Support: Breaks linguistic barriers, empowering users globally to access information effectively.
4. Personalized Learning: Versatile platform caters to diverse learning styles with customizable options.
5. Audio Integration: Converts summaries to audio format for on-the-go access and facilitates dynamic multimedia presentations.

User Interface Overview

User-friendly interface for seamless interaction

The home page of the web software provides easy access to all features.





Chat Interface Features

1. On the sidebar panel, you will have all your previous chat history.

2. Chat histories' names can be modified.

3. Chat histories can be deleted (No recovery once deleted).

1. In the middle section, you can interact with your document.

2. These panels are resizable.

3. In the last panel, you will have communication with AI & Doc.



Methodology Followed

1. Planning: Define objectives, scope, and team roles.
2. Design: Conceptualize UI/UX, gather feedback.
3. Development: Break backlog into tasks, iterate.
4. Implementation: Develop core features, test iteratively.
5. Testing: Ensure functionality, address issues.
6. Deployment: Set up, document, launch platform.
7. Maintenance: Monitor, update, enhance based on feedback.

Development Resources

Hardware: Powerful laptops/desktops, networking gear, and cloud resources.

Software: Linux OS, JavaScript/TypeScript, React.js, PostgreSQL, Git, AI/ML tools, AWS & Vercel.



Backend Tools Used

1. PostgreSQL: Reliable, scalable open-source relational database system with advanced features like ACID compliance and JSONB support.
2. Prisma ORM: Intuitive query builder for type-safe database access, simplifying CRUD operations and boosting developer productivity.
3. Raw SQL Commands with Pool Connection: Adds flexibility and control to database interactions, allowing execution of custom queries or optimizations.



Frontend Technology Used

1. React.js: Powers frontend with reusable UI components, enhancing development efficiency.
2. Next.js: Enables server-side rendering and static site generation for improved performance and SEO.
3. TailwindCSS: Facilitates rapid UI development with utility-first approach, ensuring consistency.

Development Process & Benefits



Development Process

1. Adheres to best practices like version control, CI/CD, and rigorous testing for quality assurance.
2. Ensures a streamlined workflow and efficient project management.

Benefits

1. Delivers sleek, responsive UI integrating seamlessly with backend AI capabilities.
2. Enhances user engagement and provides a superior user experience.

Future Scope of AI Flavoured

Advanced Summarization Techniques: Explore improved algorithms for accuracy and coherence.

Expanded Interactive Communication: Implement voice-based interactions and natural language generation.

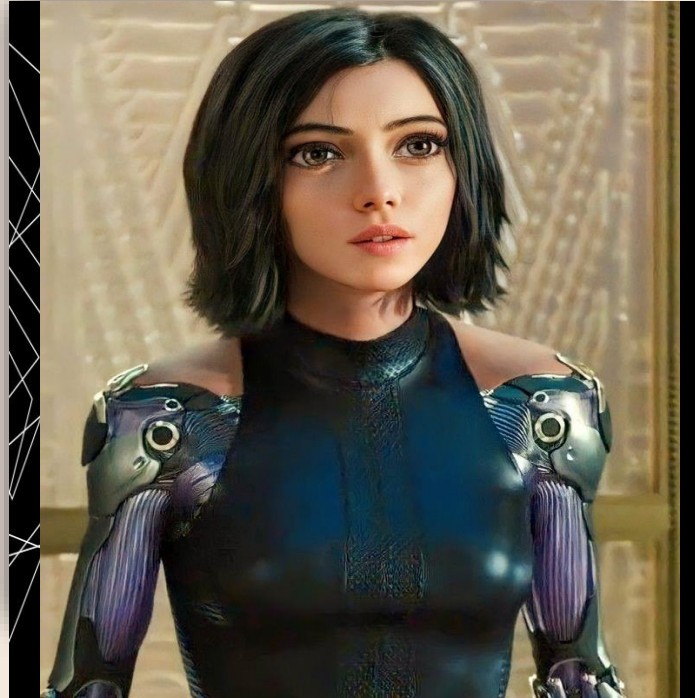
Personalized Learning: Develop adaptive systems and recommendation engines.



Meet the Development Team



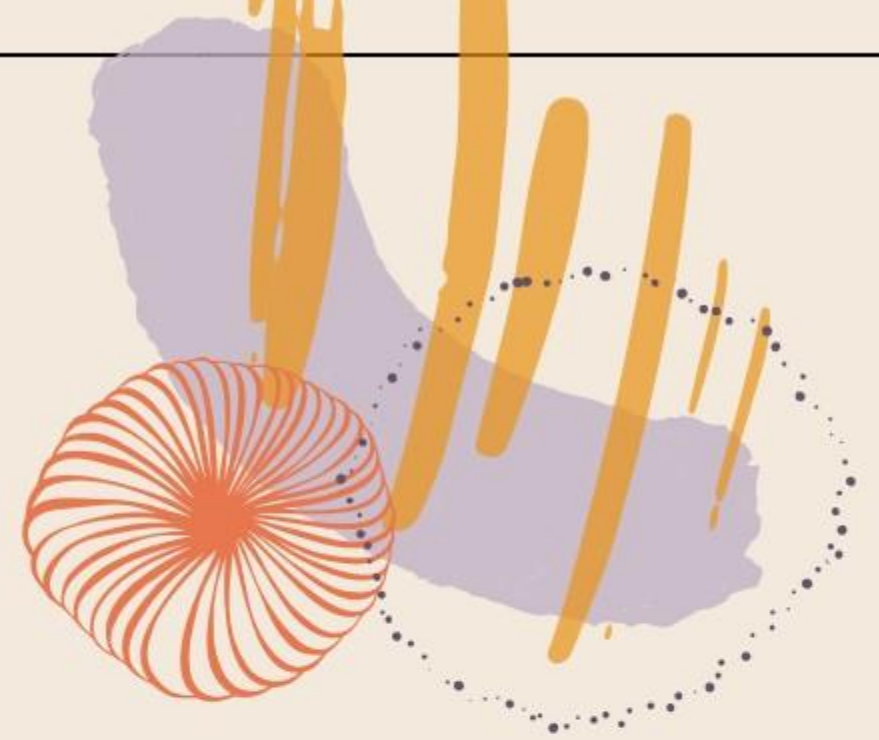
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Thank You