

GURU

GenAi Unified Restwave Utilization

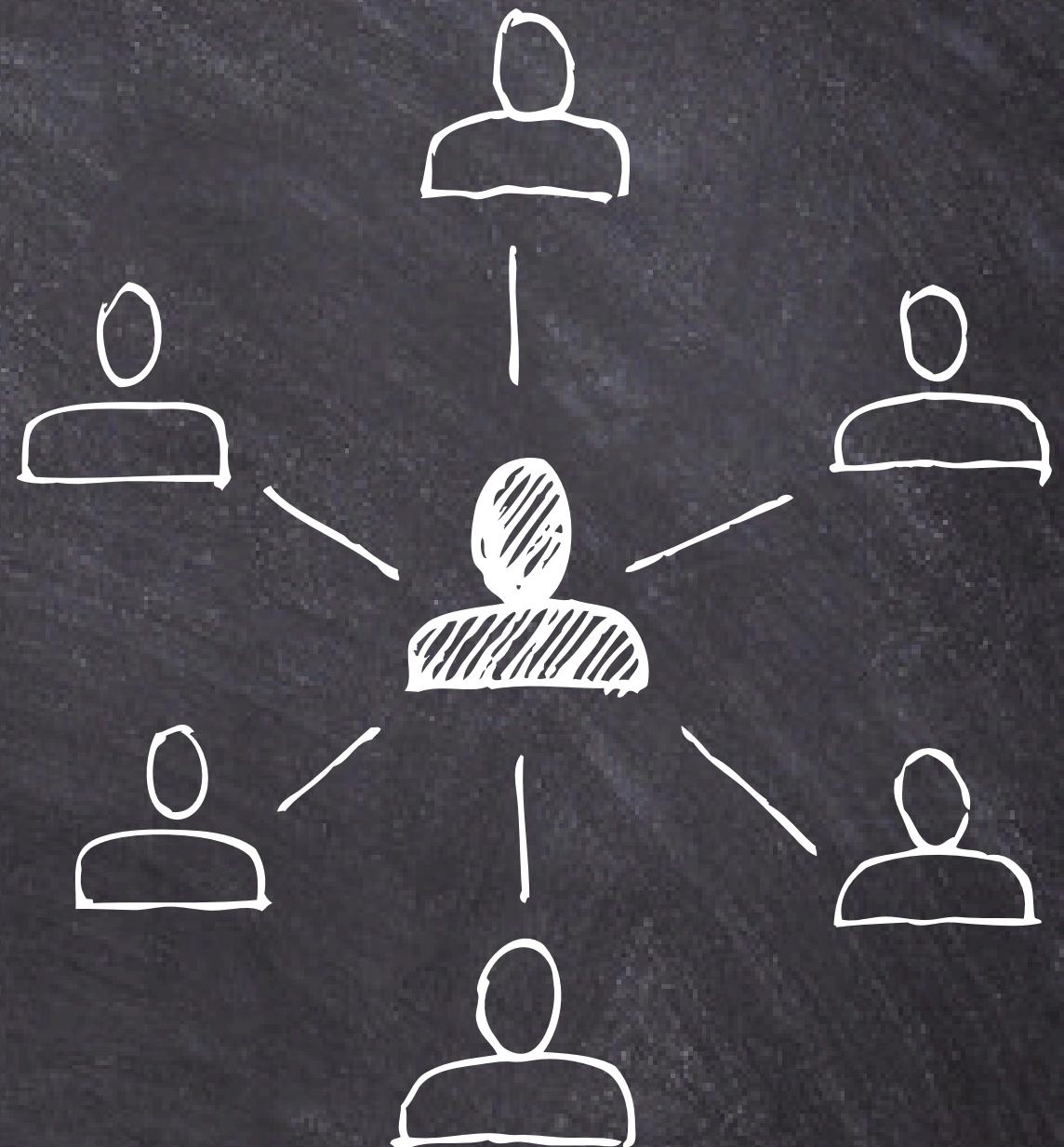


TEAM GURU

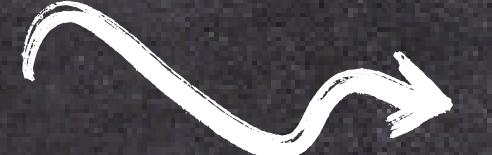
23 AUG, 2024

PROBLEM STATEMENT

TRADITIONAL EDUCATIONAL TOOLS OFTEN
LACK PERSONALIZATION AND LIMITING
EDUCATORS' ABILITY TO ACCESS AND
UTILIZE THE LATEST RESOURCES.

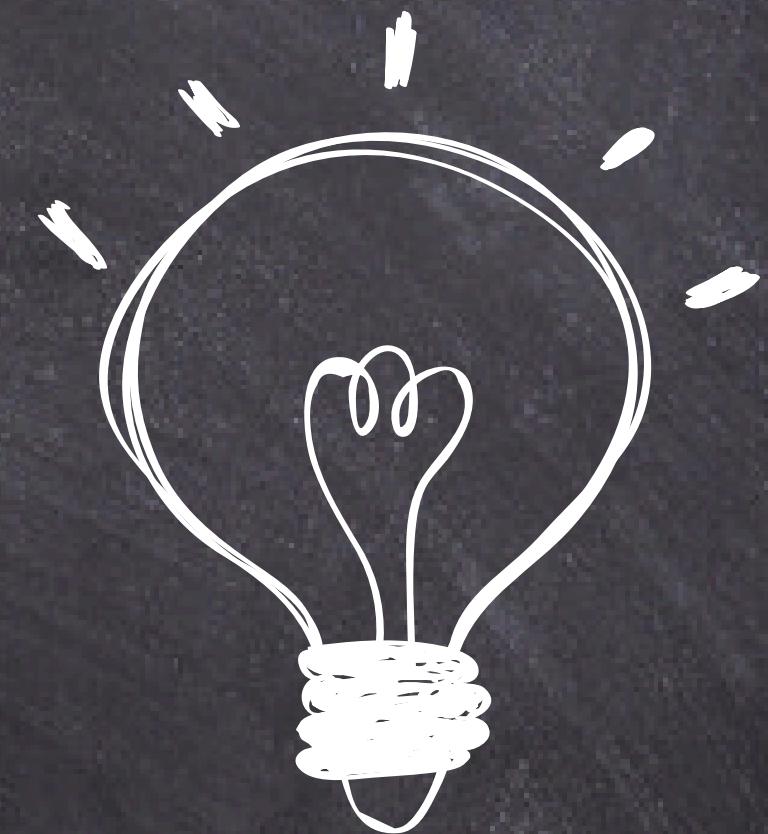


INTRODUCTION



INNOVATIVE LEARNING PLATFORM FOR TEACHERS

Our platform leverages the advanced capabilities of Restwave, an optimized framework akin to Express.js, and cutting-edge GenAI technologies to offer tailored educational resources and insights. This innovative approach ensures educators have access to the latest trends and recommendations for an enriched learning experience.



RESTWAVE

A LIGHTWEIGHT TCP SERVER FRAMEWORK.

SPEED

SCALABILITY

EASE OF USE

APPLICATION IN OUR PROJECT

- **Integration:** How Restwave serves as the backbone of our learning platform, handling data processing and user interactions efficiently.
- **Real-time responses:** Facilitates the handling of real-time educational resources and responses..

GEN-AI

RAG (RETRIEVAL AUGMENTED GENERATION) BASE LLM

ADAPTIVE LEARNING

RECOMMENDATIONS

TREND ANALYSIS

IMPACT IN OUR PROJECT

- Personalizes learning experiences.
- Ensures educators have the best information about Subject.



LITERATURE REVIEW

Key Papers on GenAI:

- Agent Tuning: Discusses fine-tuning AI agents for enhanced performance in specific tasks.
- Artificial Intelligence in Innovation: Explores the role of AI in driving innovation across various industries.
- CultureVo: The Serious Game of Utilizing GenAI for Enhancing Cultural Intelligence: Highlights how GenAI can be used to improve cultural intelligence through interactive learning.
- Model Merging: Focuses on combining different AI models to create more robust and versatile systems.
- RAG for Knowledge - Intensive NLP tasks: Examines the use of Retrieval-Augmented Generation (RAG) in natural language processing tasks.

LITERATURE REVIEW

Key Papers on Restwave:

- Express.js and Usage: Provides an overview of Express.js, a popular web framework for building server-side applications.
- Express Supervision System Based on NodeJS and MongoDB: Discusses the development of a supervision system using Node.js and MongoDB.
- Node.Js Review: A Comprehensive Overview of the JavaScript Runtime Environment: Reviews Node.js and its significance in building server-side applications.

PROJECT OBJECTIVES

DEVELOP A SEAMLESS
USER EXPERIENCE

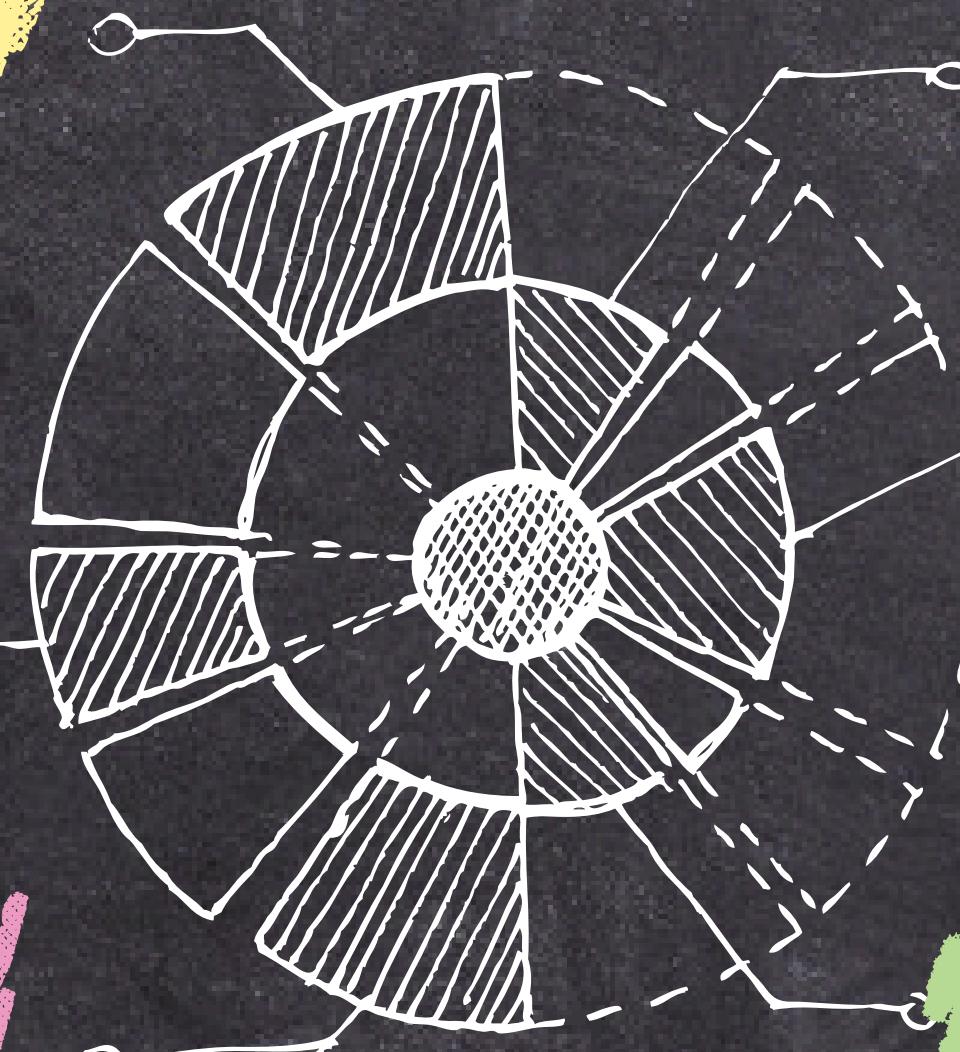
AI-POWERED
RECOMMENDATIONS

ADAPTIVE
LEARNING TOOLS

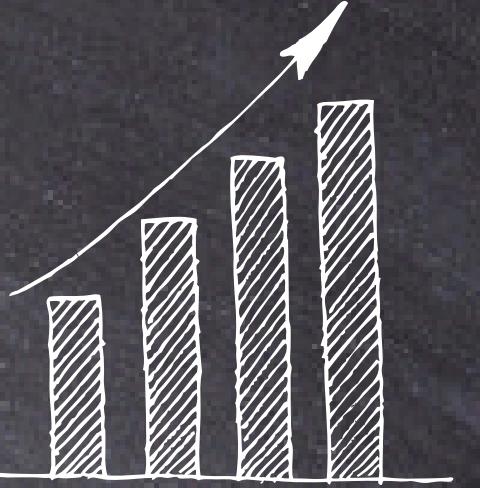
REAL-TIME INSIGHTS

CURRICULUM
MANAGEMENT

CONTINUOUS PROFESSIONAL
DEVELOPMENT



TECHNICAL ARCHITECTURE



RESTWAVE

- Core Components: Overview of the main components of the Restwave framework.
- Data Handling: How Restwave processes and manages data efficiently.

AI MODELS USED

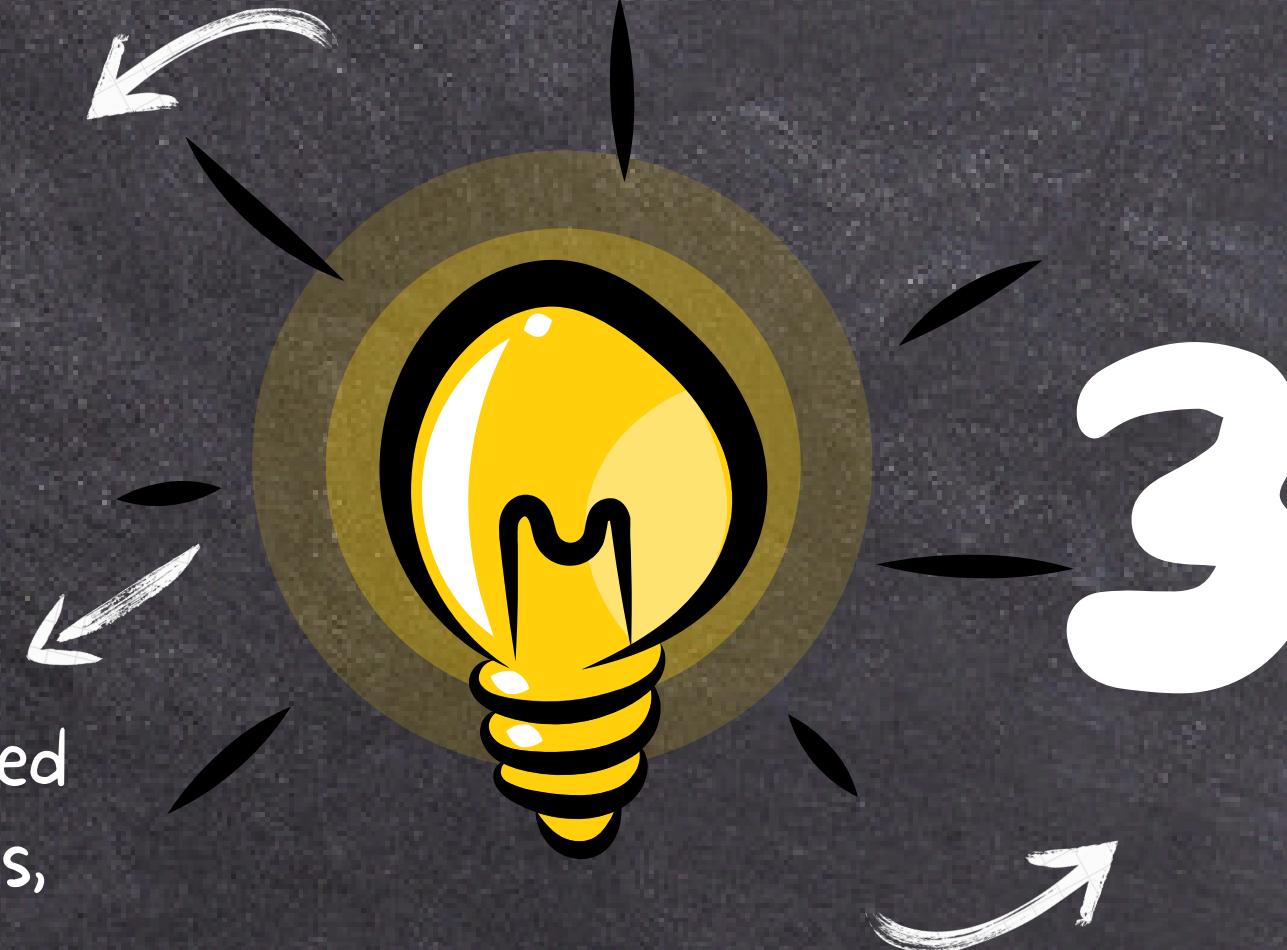
- Trend Analysis: AI models that analyze educational trends.
- Recommendation Engine: AI models that generate personalized recommendations for teachers.

DATA SOURCES AND PROCESSING

- Educational Databases: Sources of data for trend analysis and recommendations.
- Data Processing: Methods for processing and analyzing the data.

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Personalized Healthcare Assistance:
Real-time medical advice and health
plans through GenAI, transforming
patient care.



Corporate Training: Customized
employee development programs,
enhancing productivity and
adaptability.

Intelligent Supply Chain
Management: Streamlining
logistics and inventory
control with GenAI-driven
insights, optimizing efficiency
across global supply chains



BEYOND THE EDUCATION

CONCLUSION

Our platform revolutionizes teaching by integrating Restwave and GenAI to offer a dynamic and user-friendly experience. Teachers start by creating a profile, which is then analyzed to provide tailored recommendations on topics and resources. With access to a comprehensive library and real-time updates, educators can efficiently enhance their curriculum and stay informed about the latest trends, ensuring a rich and adaptable learning environment.

LET'S BUILD

JOIN US IN REVOLUTIONIZING EDUCATION—
SPONSOR GURU AND MAKE AN IMPACT NOW !

BACKEND DEVELOPMENT

HARSH JHA

AI INTEGRATION

KRISHNA MISTRY

UI/UX

ARYAN SHARMA &
HARSH GAHUKAR

