

Llama 3 Hackathon

Latent Space Explorer

# Athena

Hyper-Personalised AI powered Medical Educator.  
Your personal tutor with unique understanding of your  
cognitive flow



# Problem

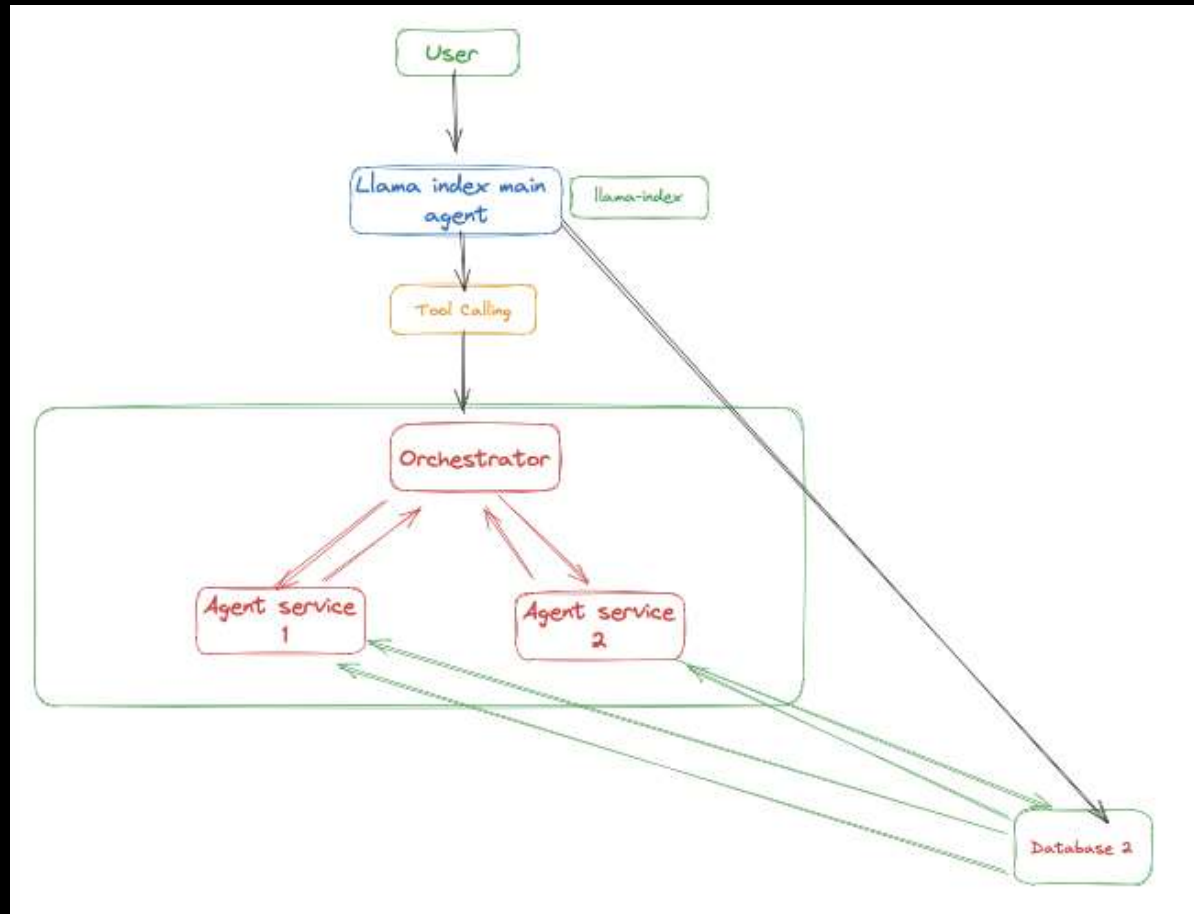
IDEA

- **Medical students face a high volume of complex material**, making it challenging to identify and focus on weak areas.
- • **Lack of personalized feedback** and adaptive learning paths in traditional education systems.

# SOLUTION: HYPERPERSONALISED ADAPTIVE AI TUTOR

- **Custom Study Plans:** AI creates tailored study plans based on user goals and timelines.
- **Real-Time Analysis:** Intelligent agents continuously analyze student performance and adjust the curriculum dynamically.
- **Adaptive Learning:** The system adapts to individual learning styles, ensuring effective content delivery and personalized feedback.

# MULTI- AGENTIC FRAMEWORK



# TECHNOLOGY

- **Llama Index Agents:** Utilizes multiple Llama Index agents to deliver personalized learning experiences.
- • **Main Agent Functionality:** The main agent interacts with the user, gathers information, and initiates tool calling.
- • **Orchestrator Role:** The orchestrator manages task distribution among various agent services, ensuring efficient handling and processing.
- • **Database Integration:** Intelligent agents analyze user performance and store data securely in the database for real-time feedback and curriculum adjustments.