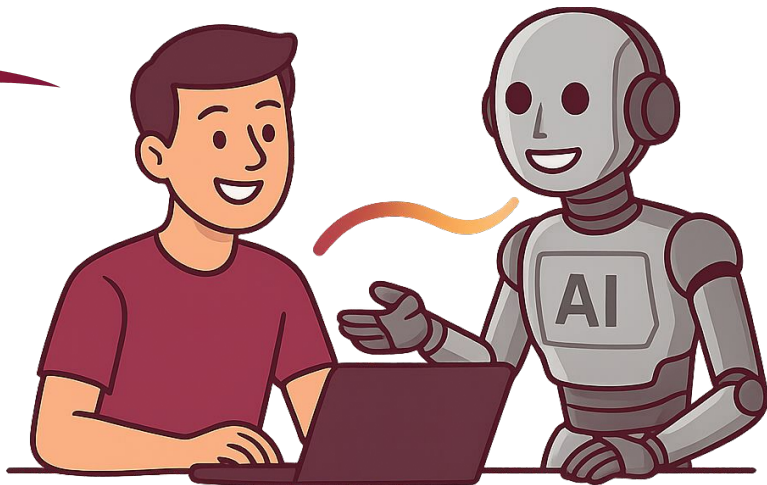


Synapse

A Multi-Agent AI Tutor to Accelerated Workflows

AI Accelerated Spark Challenge



Team: Inference Squad

Krishna Vinod

Ashwith Ananda Poojary

Manasi Rajan Variar

Madhumita Karthikeyan

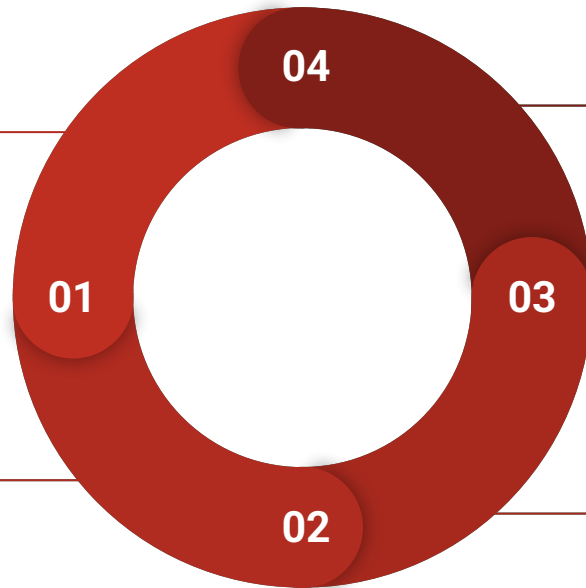
Problem Statement: The Challenge

Lack of accessible AI tutoring

High-quality, personalized AI-driven education is often unavailable to learners.

Low conceptual clarity

Users struggle to understand *why* and *when* to use GPUs.



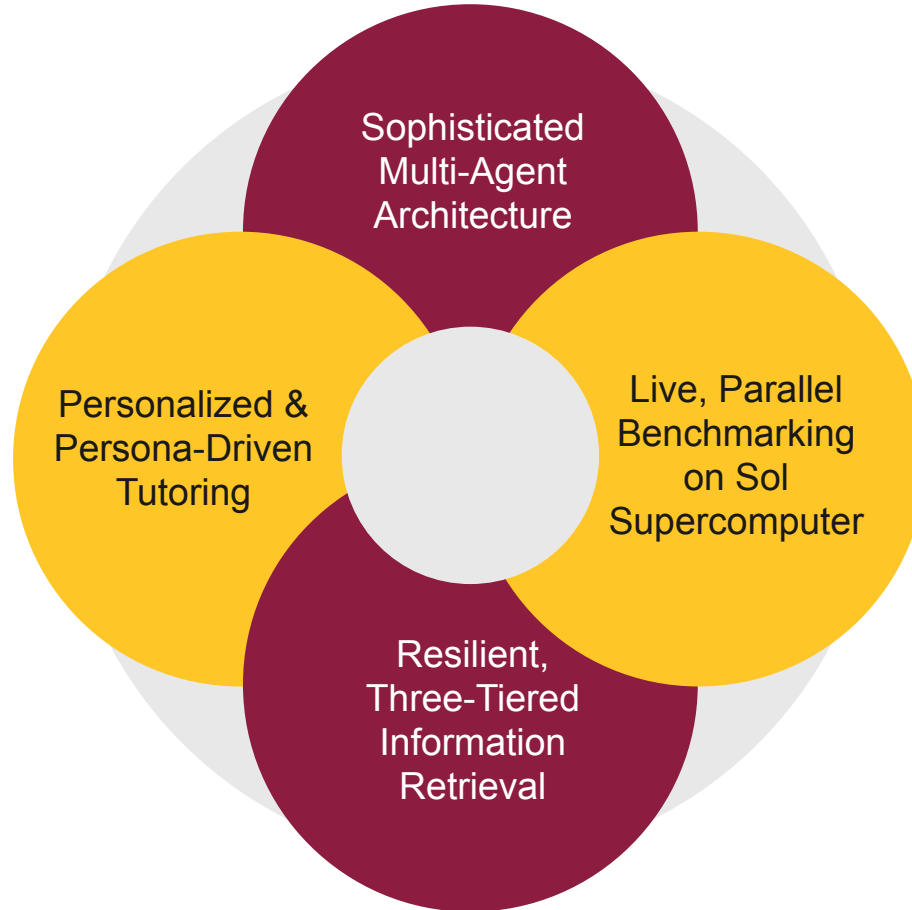
Over-reliance on CPU-centric methods

Data science education traditionally ignores modern, high-performance GPU-accelerated workflows.

No real-time comparison or feedback loop

Learners cannot see the actual performance impact of GPU acceleration.

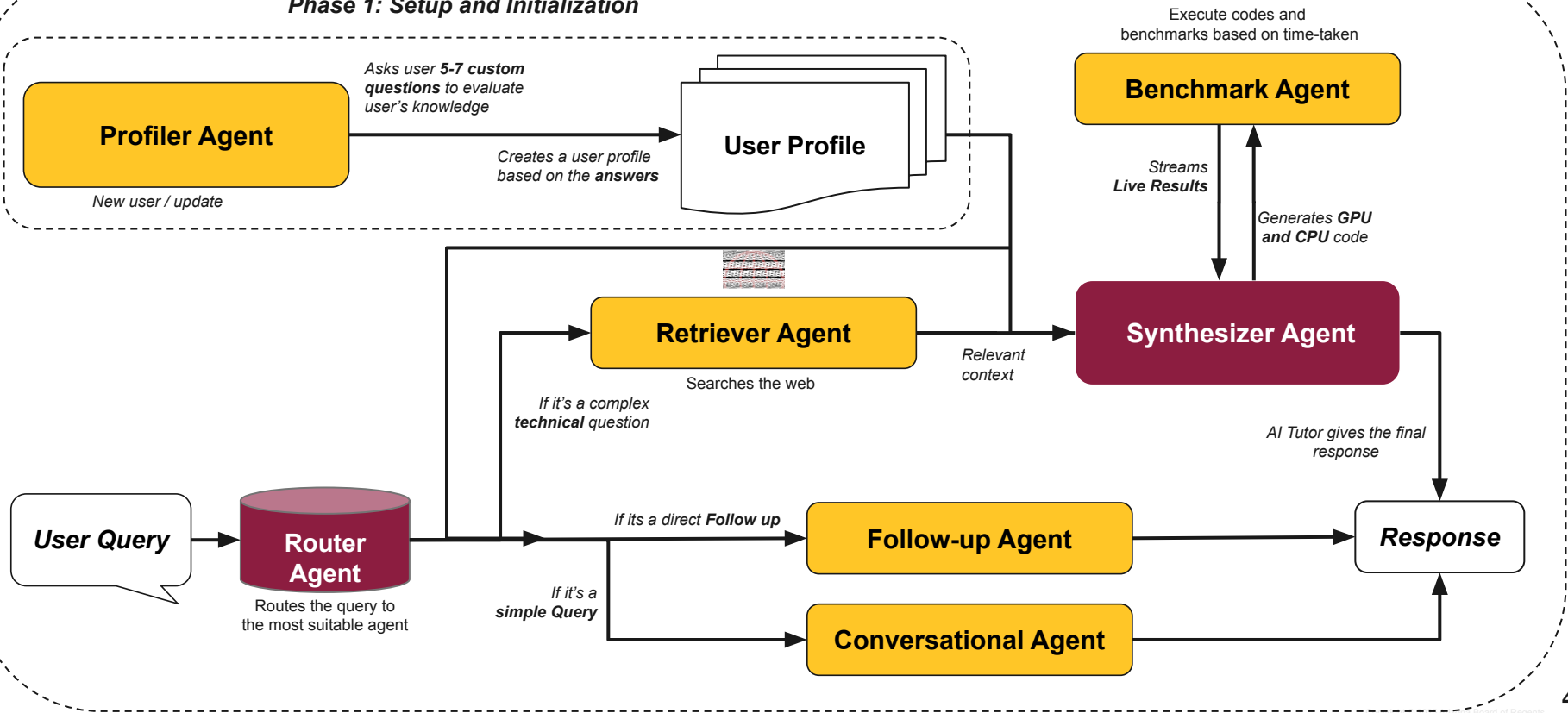
What Makes Our Tutor Unique? The Solution



Multi-Agent Architecture

Phase 2: AI Tutor live interaction

Phase 1: Setup and Initialization





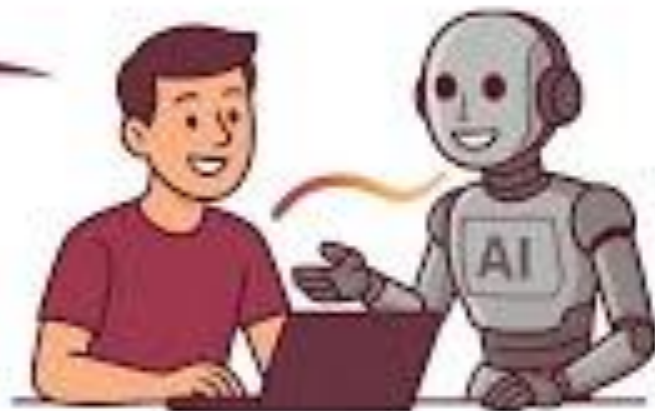
AZNext

Workforce Training Academic Partnership

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Thank you!

QnA 

- References:
- ASU Sol Supercomputer and Documents
 - Nvidia Python Materials