EXPRESS ME: Transforming AAC with Personalized, Emotionally Intelligent Conversational AI

LLMs for Societal Good
Instructor: Rohini K. Srihari
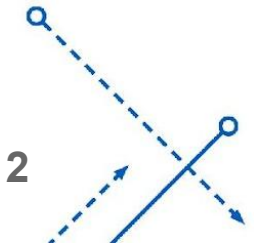
Aishwarya Virigineni - 50595813
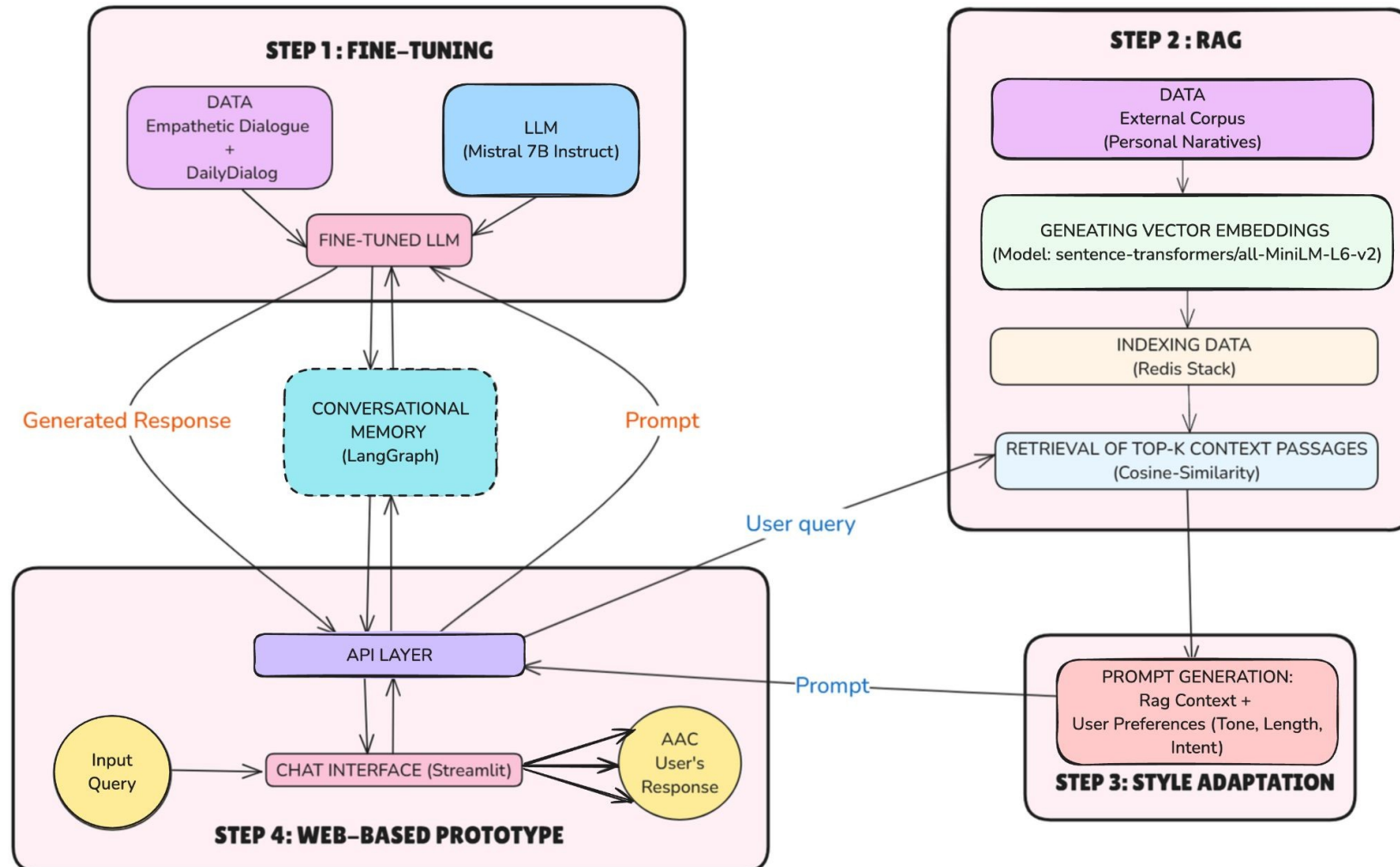Nithya Kaandru - 50604120

PROJECT OBJECTIVES

Primary Goal: Enhance communication for AAC users by providing personalized, contextually relevant, and emotionally intelligent conversational responses.
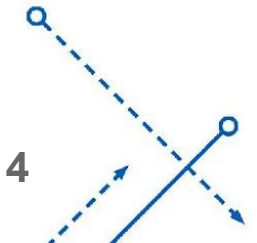
Key Objectives:

- Generate empathetic, personalized dialogues reflecting user personality.

- Implement Retrieval-Augmented Generation (RAG) for factual grounding.

- Adapt conversational style dynamically to AAC users' preferences.

- Develop a functional web-based prototype demonstrating improvements.

SOLUTION ARCHITECTURE

DEMO

THANK YOU