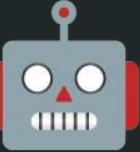


# AI Mental Health Therapist

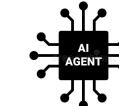
*With Google MedGemma LLM*

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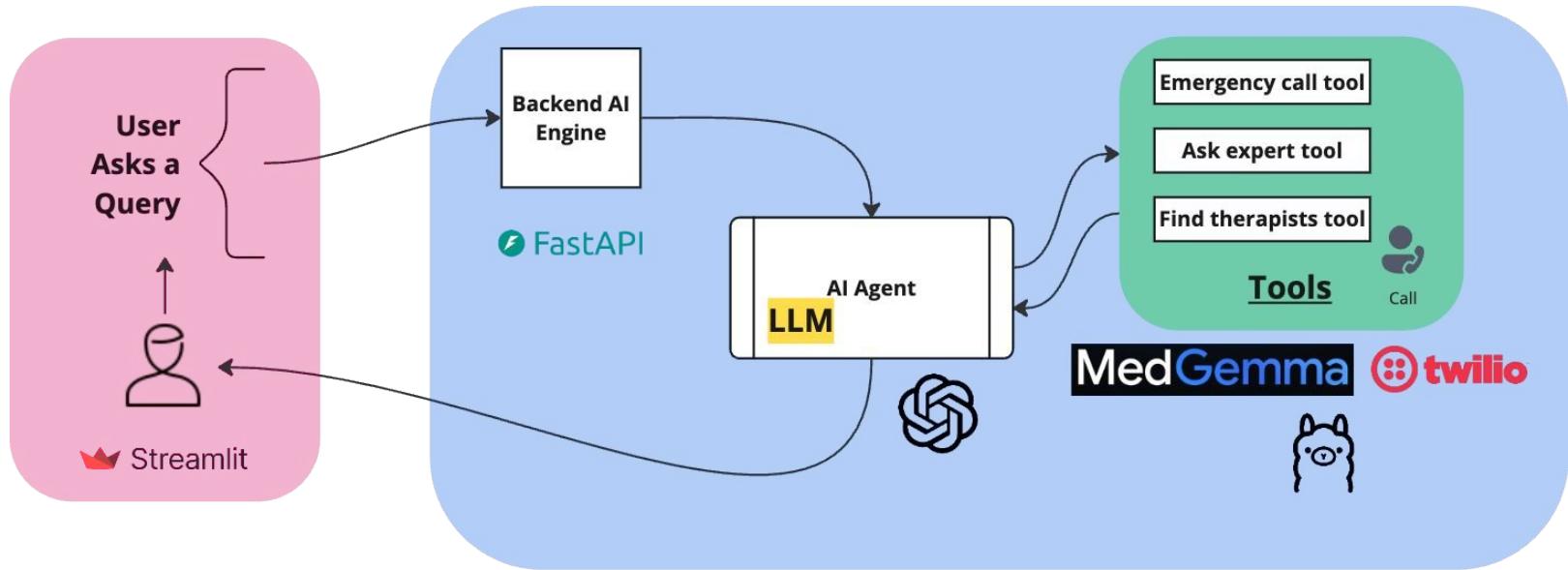
AI Doctor 4.0    
(SafeSpace)

# Topics Covered

- Health-care based LLM from Google (MedGemma Family)
- LLMs
  - Ollama
  - API usage (GPT-4/Claude/Groq/etc)
- AI Chatbot development (langgraph, langchain, etc)
  - AI Agents & Agentic Workflow
- Streamlit (Frontend)
- FastAPI (Backend)
- Tools for AI Agent
  - Emergency calls with Twilio
  - Location services
  - Professional support



# Technical Architecture



LangGraph

OpenAI

groq

LangChain

miro

# Code Setup

## Phase 1: Setup Frontend

- Setup Streamlit
- User is able to ask question
- Show response from backend

## Phase 2: Setup Backend

- Setup FastAPI backend
- Receive and validate request from Frontend
- Send response to the frontend

## Phase 3: Setup AI Agent & Tools

- Setup Ollama with Medgemma tool
- Setup Twilio calling API tool
- Setup Location tool
- Create an AI Agent & Link to backend

## Phase 4: Test everything together