

AI Mental Health Therapist

With Google MedGemma LLM

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

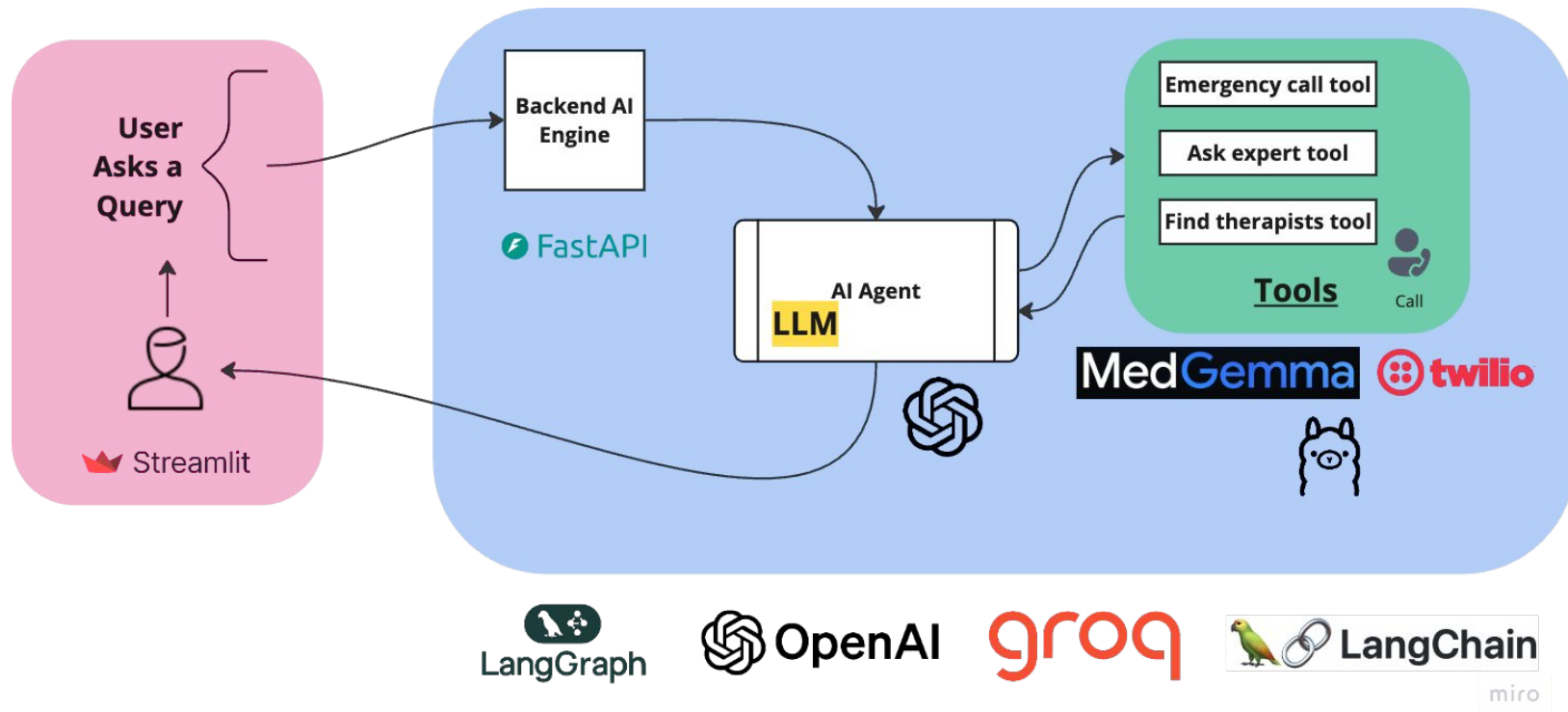


MedGemma



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Technical Architecture



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