

AI Researcher



With Langgraph Agents & Tools

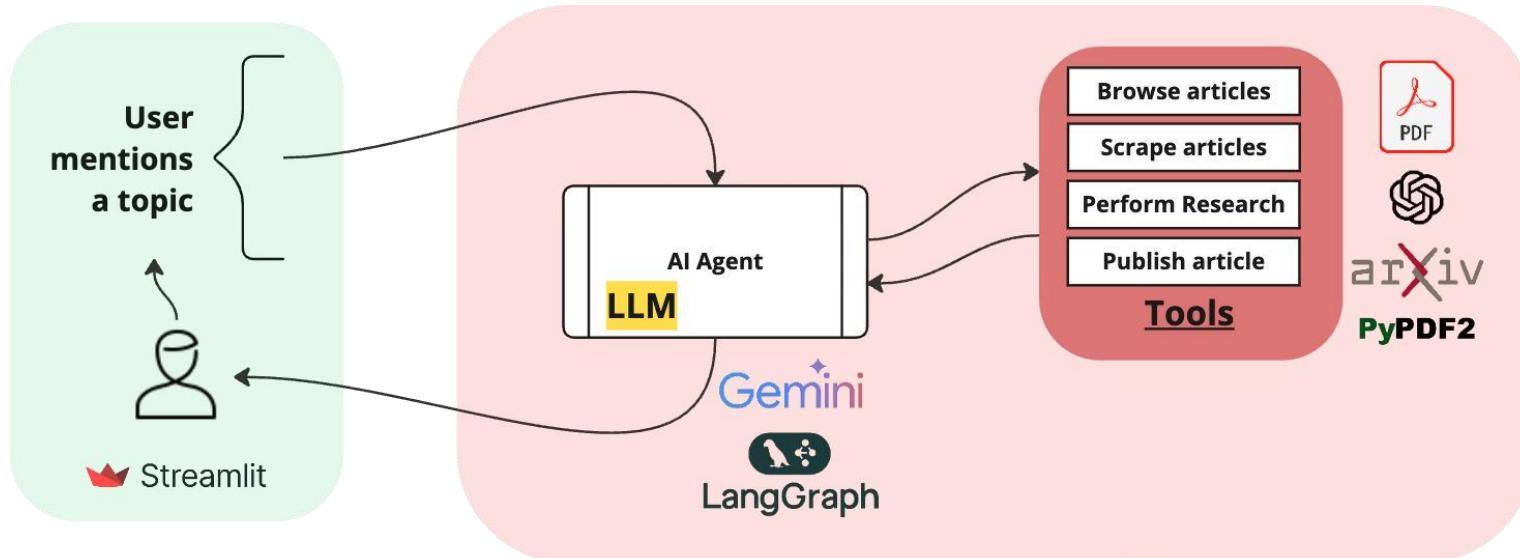
**Write ready-to-publish Research
Papers in 2-3 minutes**

Topics Covered

- AI Agents with Langgraph (*Nodes & Edges*) ●
Agentic Workflow with Tools
- Agentic Web Scraping (*LLM: Gemini 2.5-Pro*)
- GenAI App development (langgraph, langchain, etc)
 - AI Agents
 - Agentic Workflow
 - Tools
- Streamlit (*Frontend*)
- Tools for AI Agent
 - Literature review with arXiv
 - Read & Scrape Papers
 - Ready-to-publish Research paper



Technical Architecture



LangChain



OpenAI

groq

LangGraph

miro

Code Setup

Phase 1: Setup AI Agent & Tools

- Setup tools
 - Setup retrieving relevant papers using arXiv tool
 - Setup read paper(PDF) online tool
 - Setup write PDF tool
- Setup Agent with langgraph

Phase 2: Setup Frontend

- Setup Streamlit
- User is able to ask question
- Show response from Agent
- Show downloadable PDF (Final Research Paper)

Phase 3: Test everything together

