

TOP 5 FRAMEWORKS FOR BUILDING AI AGENTS

LET'S MAKE LLMS ACT AS THE **BRAIN**

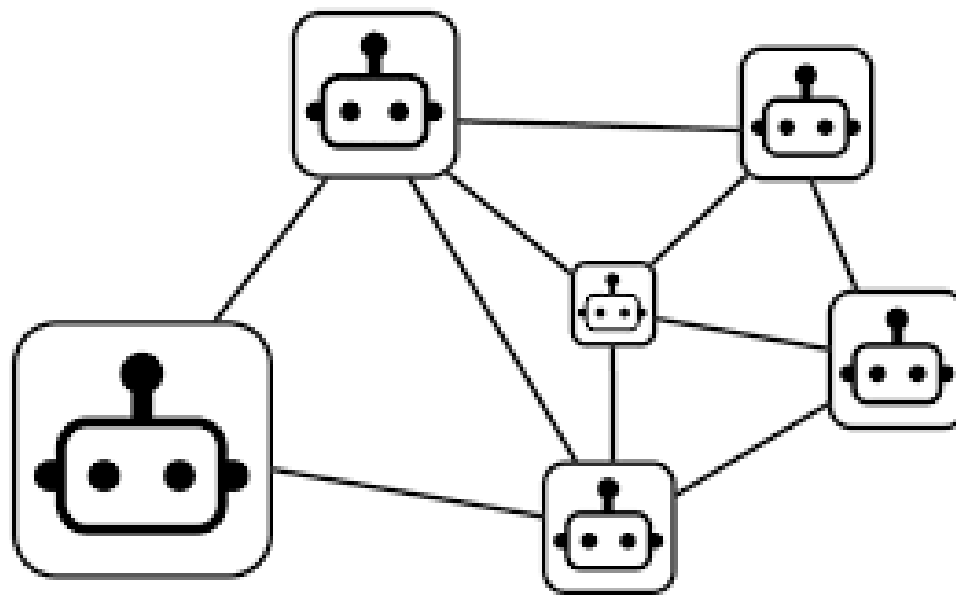


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What does it mean to build an AI Agent?

Agentic AI systems integrate large language models (LLMs), tools, and prompts to perform complex tasks. LLMs serve as the 'brain,' handling natural language understanding and generation. Tools facilitate interaction with external resources and APIs, while prompts guide the LLM's actions and reasoning. Together, these components form the foundation of advanced AI agents



Multi-Agent System

AutoGPT & BabyAGI – These AI agents use LLMs like GPT Models to autonomously break down tasks, search the web, use APIs, and generate content without human intervention.



CREWAI – TEAM BUILDER



CrewAI offers a robust framework for orchestrating multiple AI agents to collaboratively tackle complex tasks. By assigning specific roles and objectives to each agent, it ensures efficient task execution and seamless interaction. The platform's flexibility allows for integration with various LLM and tools, enabling customization to meet diverse organizational needs.



LANGGRAPH – ENTERPRISE SOLUTION



LangGraph is an open-source library by LangChain for building stateful, multi-actor applications using LLMs. It enables complex agent workflows with cycles, essential for agentic architectures, and provides fine-grained control over flow and state with a central persistence layer to support memory across interactions. LangGraph is better suited for complex, stateful, and customizable agentic workflows with memory and persistence.



PHIDATA – ELEGANT



Phidata is an open-source framework designed for building multi-modal AI agents and workflows. It enables developers to create agents equipped with memory, knowledge bases, tools, and reasoning capabilities, facilitating complex task automation and intelligent decision-making. Phidata supports the orchestration of multiple agents working collaboratively, and offers a user-friendly Agent UI for seamless interaction



SMOLAGENTS – CODER

huggingface/ smolagents

🧠 smolagents: a barebones library for agents.
Agents write python code to call tools and
orchestrate other agents.



Smolagents prioritizes simplicity with a codebase of ~1,000 lines. It uses code agents, where LLMs generate executable Python actions instead of JSON or text blobs, reducing steps by ~30%. It also integrates with tools like Anthropic's MCP and Hugging Face Spaces.



AUTOGEN – CONVERSATION



AutoGen is an open-source framework from Microsoft for creating collaborative, conversational AI agents. It supports multiple LLMs, tools, and multi-agent designs, allowing customizable agents to interact with natural language, code, or both. The framework also enables cross-language interoperability, currently supporting Python and .NET.





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