Introduction to AutoGen and AI Agents

Video 1: What are AI Agents?

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Outline of the Module

➔   What are AI Agents?

➔   What is AutoGen?

➔   Why are we using OpenAI models?

➔   A quick demo

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What are AI Agents?

Difference between Agents and LLMs

One actor → **Multiple** Roles

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Difference between Agents and LLMs

One actor → Multiple Roles

Role → Police

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Difference between Agents and LLMs

One actor → Multiple Roles

Role → Doctor

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Difference between Agents and LLMs

One actor → Multiple Roles

Role → Firefighter

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Difference between Agents and LLMs

Actor = LLM

Characters = Agent

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Difference between Agents and LLMs
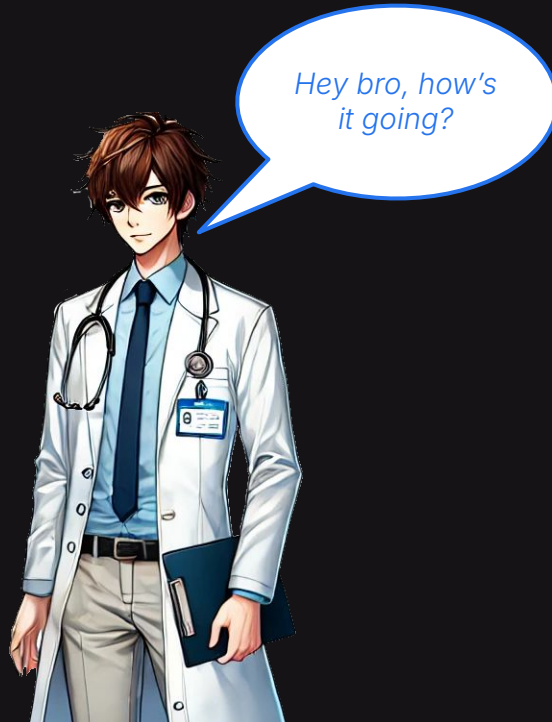

Actor → LLM

Agents can use "Tools"

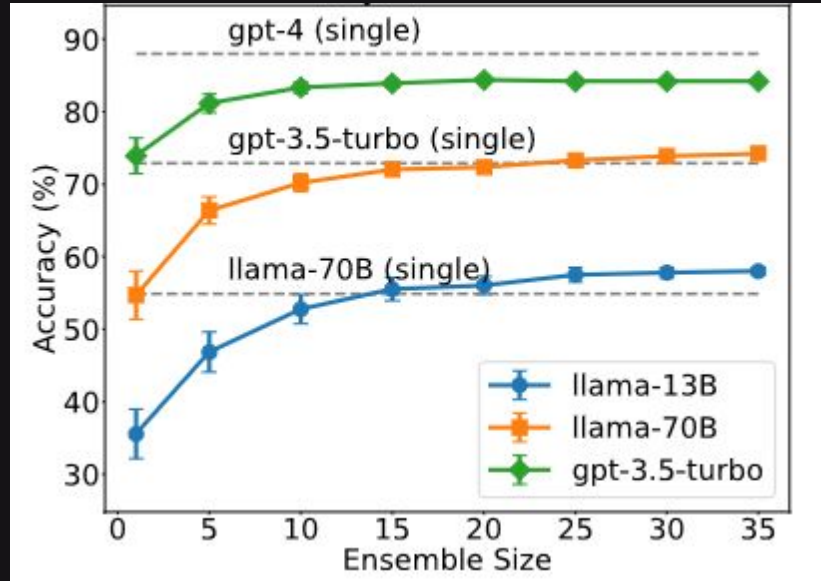# Difference between Agents and LLMs

Difference between Agents and LLMs

Difference between Agents and LLMs

Comparing LLMs & Agents

LLM	Agent
Can only call it once	Can try multiple times
Forgets everything	Remembers enough to get its task done
Can't interact with the real world	Can interact with the real world

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Accuracy Curves in GSM8K

More Agents Is All You Need
https://arxiv.org/abs/2402.05120

Agents are hot right now (as of March 2025) because they make AI more useful!