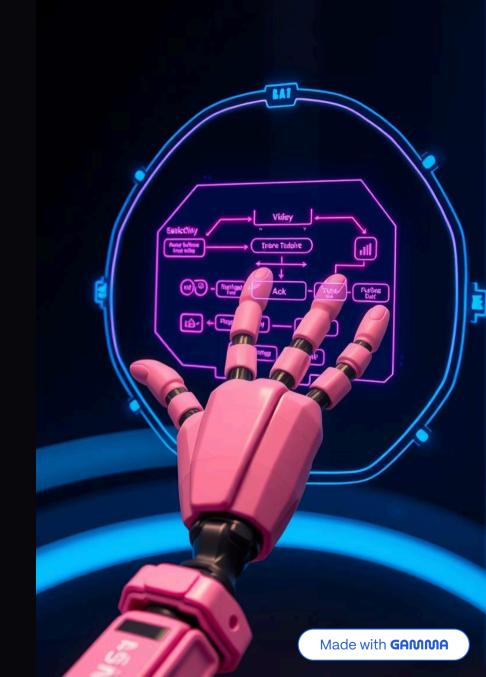# Unleashing AI Collaboration with OpenAI Swarm

Discover OpenAI's experimental framework, Swarm. It enables multiple AI agents to work together seamlessly. Swarm simplifies complex tasks through collaboration.
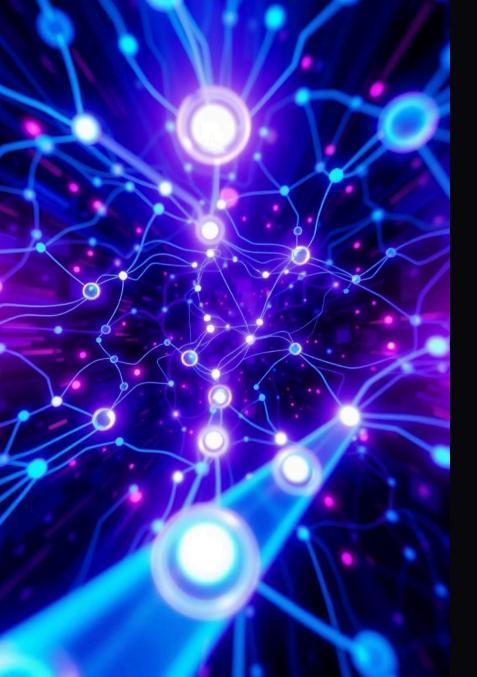
by UMM E HANI

Understanding Swarm's Core Concepts

Agents

Independent AI entities focus on specific roles. One agent handles billing, another provides technical support.

Handoffs

Agents pass tasks to others better suited for the job. This ensures efficient workflow.

How Agents SDK Works

Prompt Chaining
Break down large tasks into smaller, manageable steps.

Routing
Direct tasks to the most appropriate agent for handling.

Parallelization
Execute multiple tasks concurrently for speed.

Advanced Agent SDK Features

🧠 **Orchestrator-Workers**

A main agent divides tasks among worker agents.

📈 **Evaluator-Optimizer**

An agent monitors performance and suggests improvements.

Made with GAMMA

Real-World Application: Pizza Making

Dough Prep

One person prepares the pizza dough.

Topping Prep

Another gets all the toppings ready.

Assembly

Someone assembles the pizza.

Serving

Finally, it is served.

Baking

The pizza is then baked.

This collaborative process mirrors how AI agents hand off tasks. Each step is completed efficiently to achieve the final goal.