Exploring Agentic AI

This presentation will explore the fascinating world of Agentic AI. We'll cover the basics, delve into LLMs and Generative AI, and understand the unique capabilities of Agentic AI. Finally, we'll examine OpenAI's Agents SDK and its benefits.

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Understanding Agentic AI

Basics of Agentic AI

Agentic AI systems can reason, plan, and act autonomously.

LLMs Explained

Large Language Models process and generate human-like text.

Generative AI

Generative AI creates new content, like images or text.

Generative vs. Agentic AI

Generative AI

Focuses on creating new data. It generates outputs based on learned patterns. It's about creation, not action.

Agentic AI

Focuses on autonomous action. It plans, executes, and adapts to achieve goals. It's about intelligent behavior.

How LLMs Work

1   **Data Training**

LLMs are trained on vast amounts of text data.

2   **Pattern Recognition**

They learn patterns, grammar, and context.

3   **Text Generation**

They predict the next word to generate coherent text.

OpenAI's Agents SDK

What it is

A software development kit for building AI agents.

Why use it

Simplifies agent creation and integration.

Key Benefits

Offers tools for complex task automation.

Benefits of OpenAI Agents SDK

Simplified Development

Streamlines the creation of AI agents.

Enhanced Automation

Enables complex task automation.

Seamless Integration

Easily integrates with existing systems.

Agentic AI in Action

1 — **Goal Setting**

Agent defines its objective.

2 — **Planning**
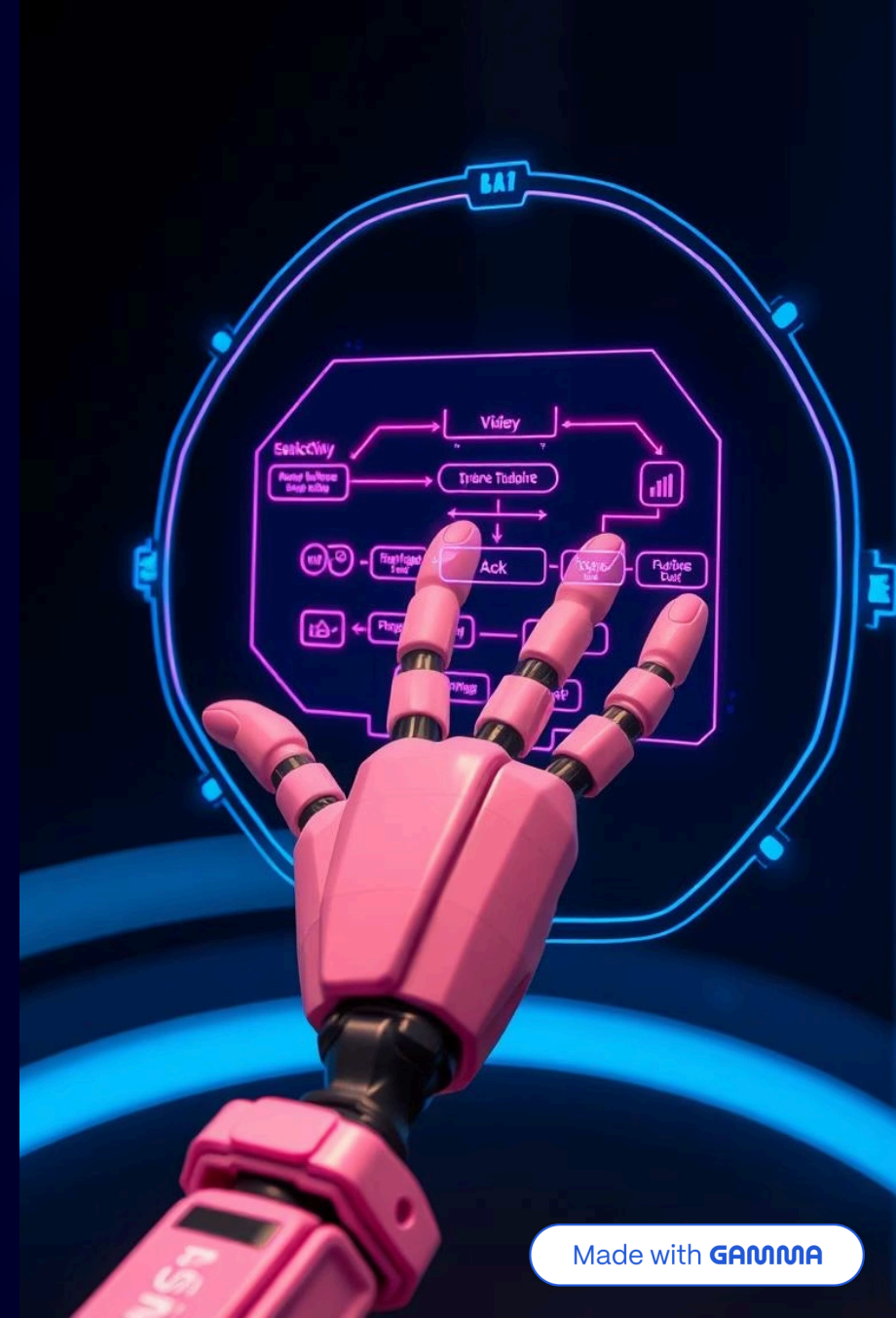
Agent devises a strategy.

3 — **Execution**

Agent performs actions.

4 — **Adaptation**

Agent adjusts based on feedback.

Key Takeaways

Agentic AI represents a significant leap in AI capabilities. It enables autonomous systems that can understand, plan, and act. OpenAI's SDK provides powerful tools for developing these advanced agents.