

# Introduction to AI Agents & Stock Market Analysis

What Are AI Agents?

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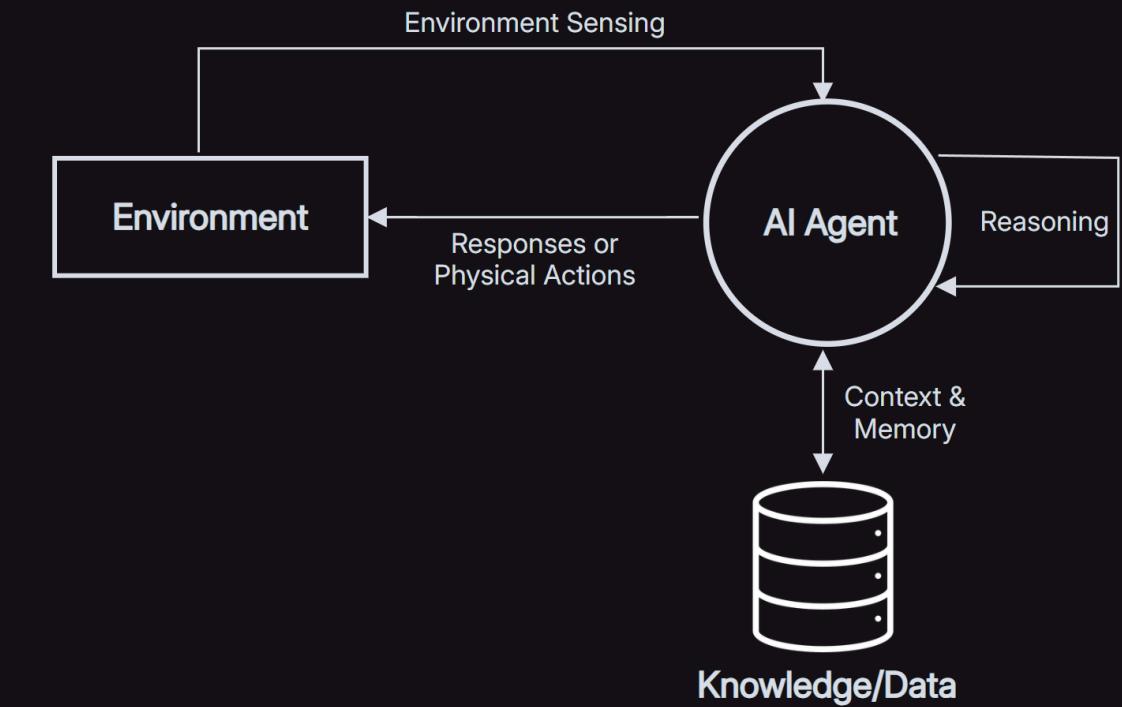


# What Are AI Agents?

An AI Agent is an autonomous entity that **perceives** its environment, makes decisions, and performs **actions** to achieve goals.

## Key Traits:

- Perceives input
- Processes context
- Acts with intent

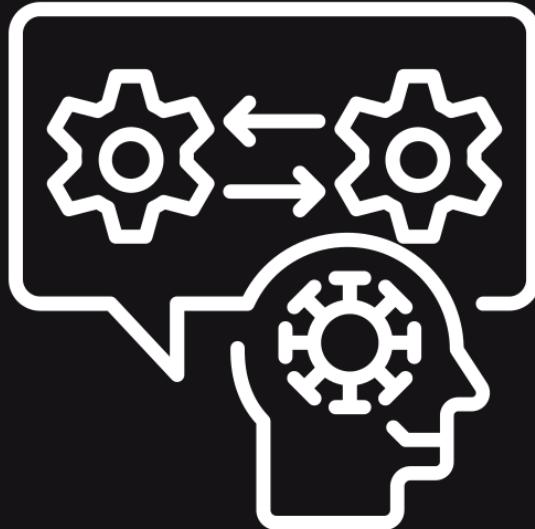


# AI Agents vs. Traditional Automation

Traditional Automation	AI Agents
Rule-based	Goal-driven
Fixed workflows	Adaptive behaviour
No learning	Can learn and reason
Limited flexibility	Dynamic and contextual

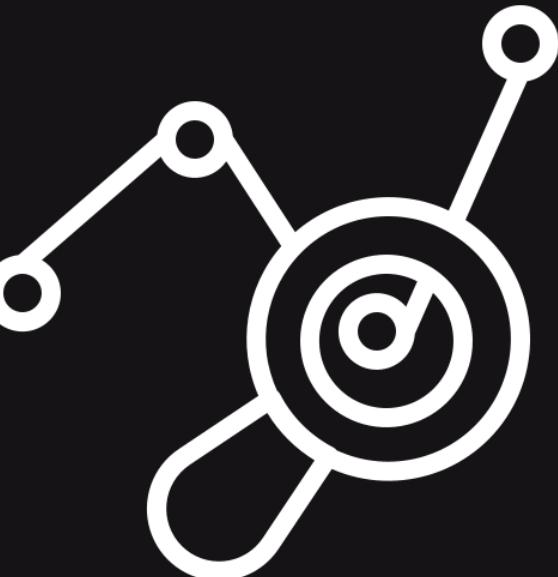
# Reactive Agents

- Respond instantly to stimuli
- No memory of past actions
- Example: Thermostat



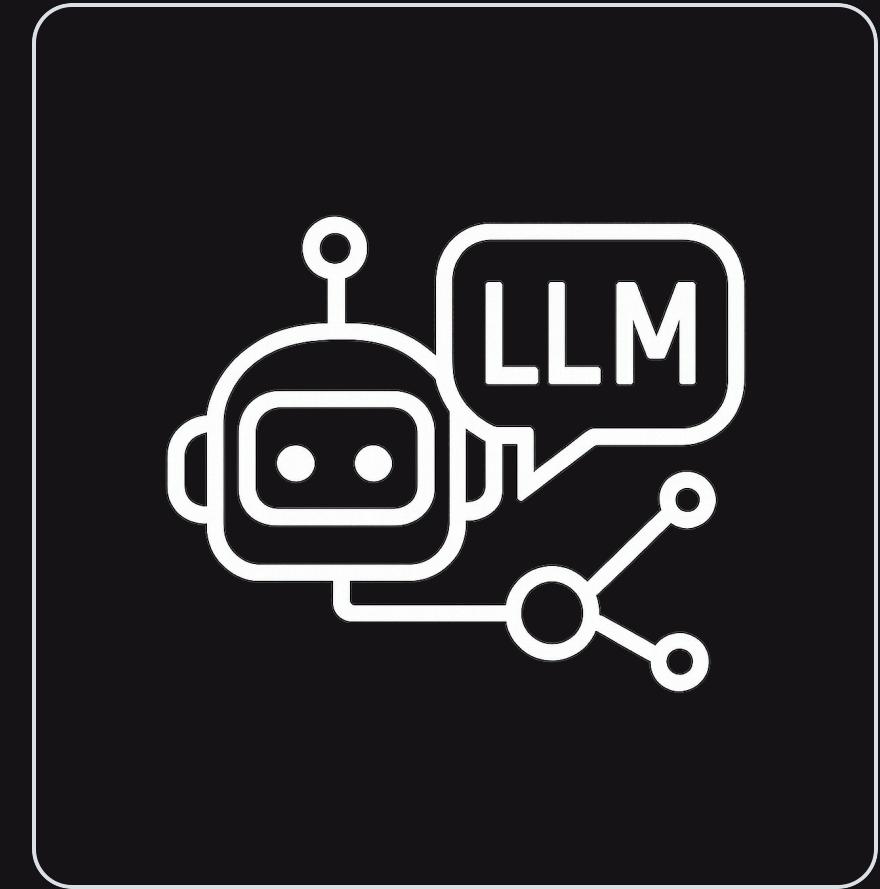
# Deliberative Agents

- Build internal models
- Plan and reason before acting
- Example: Chess engine



# LLM-Driven Agents

- Use language models (like GPT)
- Understand and generate human-like text
- Example: AutoGPT, ChatGPT agents

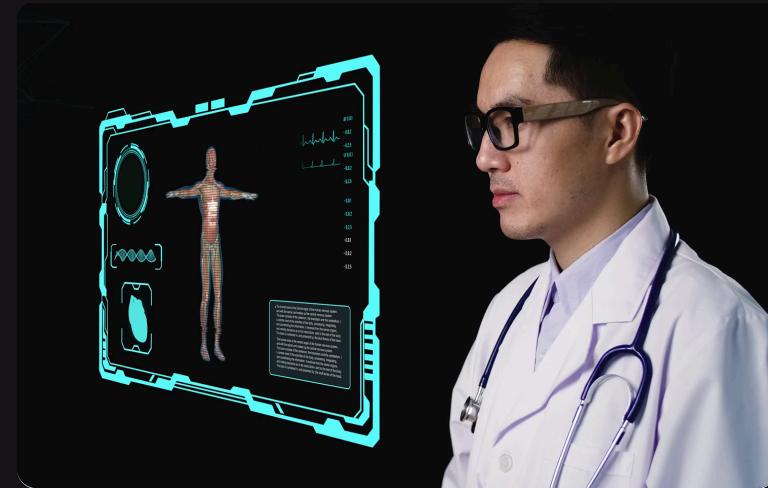


# Common Use Cases



## Business

Automating customer support, optimizing supply chains, and analyzing data for insights.



## Healthcare

Assisting with diagnostics, monitoring patients, and personalizing treatment plans.



## Finance

Performing stock market analysis, detecting fraud, and managing portfolios.

# About This Project



## Daily Life

Powering virtual assistants, smart home devices, and recommendation systems.

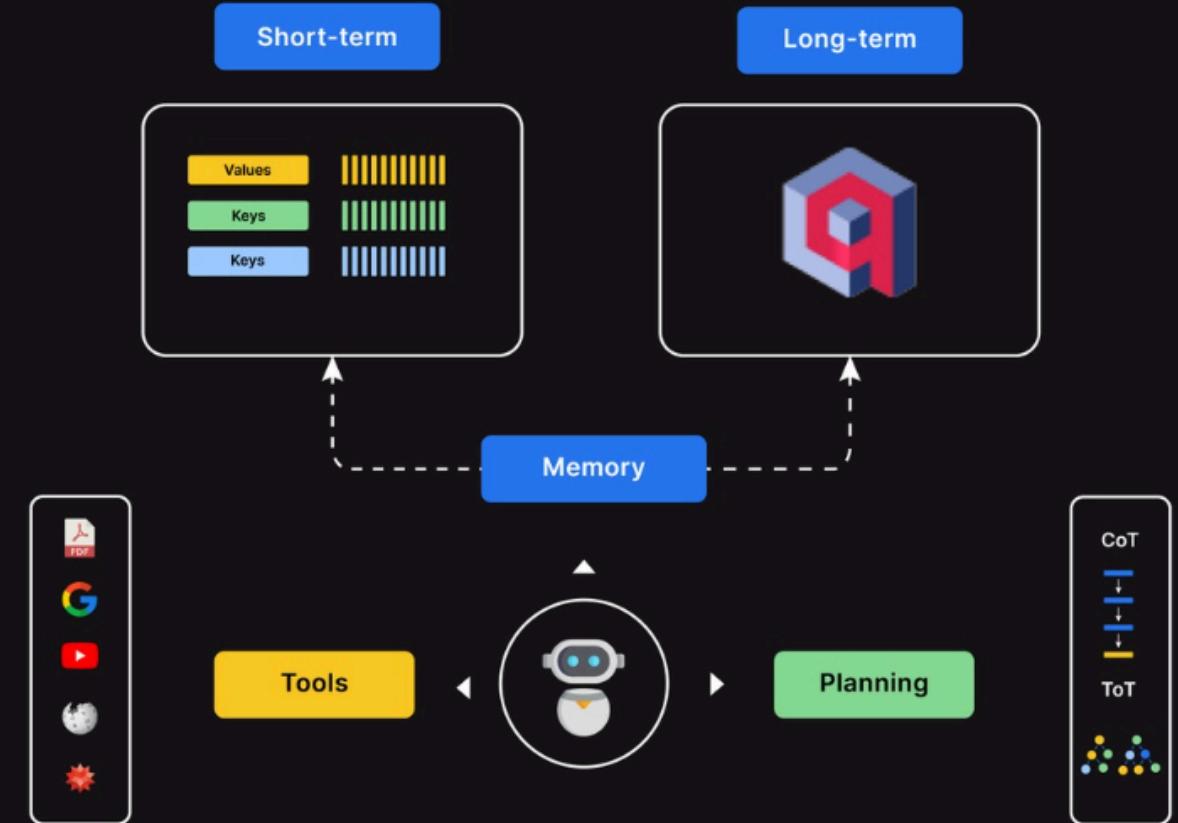


## Emerging Areas

Autonomous vehicles, robotics, and multi-agent systems for collaborative tasks.

# Why Are AI Agents Relevant Now?

- **Rise of LLMs**  
Agents now reason and adapt using powerful models.
- **Tool Integration**  
Agents can use APIs, tools, and memory.
- **Multi-Agent Collaboration**  
Agents can cooperate and delegate.
- **RAG & Copilots**  
Agents power personalized, contextual applications.



# Thanks