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Introduction to Agentic AI Foundations

Unlocking the Potential of Agentic AI in Technology

DEFINITION

> Agentic AI refers to artificial intelligence systems that can act autonomously and make decisions. These systems are designed to perform tasks without human intervention, adapting to new information and environments.

KEY CONCEPTS

Autonomy

Autonomy in AI means the ability to operate independently, making decisions without human input.

Decision-Making

Agentic AI uses algorithms to analyze data and make informed choices based on predefined criteria.

Adaptability

These systems can learn from experiences and adjust their actions based on changing conditions.

Ethical Considerations

The deployment of agentic AI raises important ethical questions about accountability and decision-making.

Applications

Agentic AI is used in various fields, including healthcare, finance, and autonomous vehicles.

EXAMPLES

→ Self-driving cars navigating traffic without human control.

→ AI chatbots providing customer service autonomously.

→ Robotic process automation handling repetitive tasks in business.

MEMORY TIPS

★ Think 'A' for Autonomy and 'A' for Agentic to remember their connection.

★ Use the acronym 'ADA' for Autonomy, Decision-making, Adaptability.

★ Visualize a robot making decisions like a human to recall agentic capabilities.

COMMON MISTAKES

✗ Confusing agentic AI with traditional AI that requires human input.

✗ Underestimating the ethical implications of autonomous decision-making.

✗ Assuming all AI systems are agentic when many are not.

QUICK RECAP

Agentic AI systems operate independently, making decisions based on data. Key concepts include autonomy, decision-making, and adaptability, with significant ethical considerations. Remember their applications in real-world scenarios like self-driving cars and chatbots.