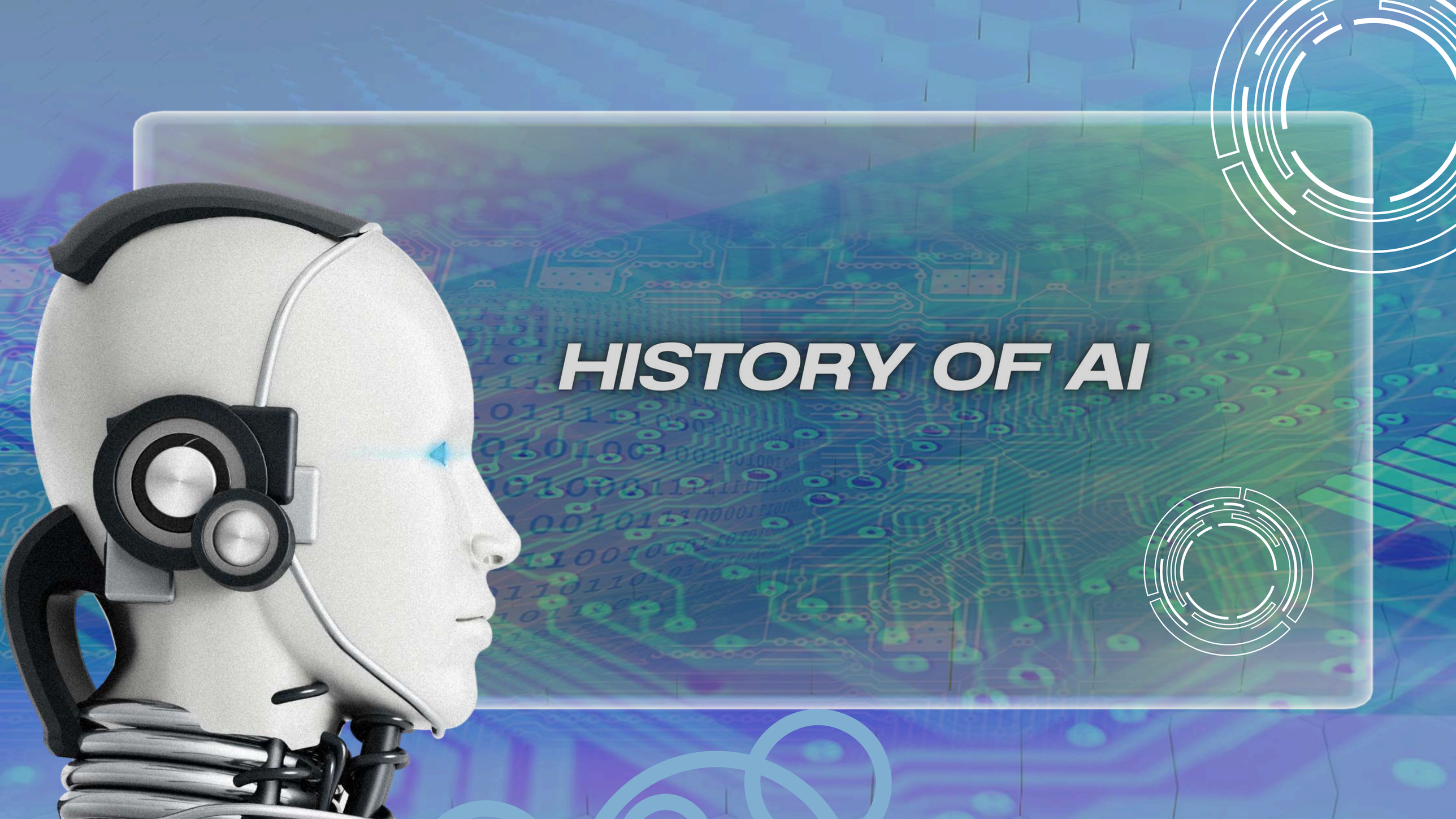

HISTORY OF AI

Artificial Intelligence

What is Artificial Intelligence?

"Artificial Intelligence (AI) refers to the simulation of human intelligence by machines, especially computer systems."

AI Core Abilities:

- Learning
- Reasoning
- Problem-solving
- Perception
- Language understanding

The Birth of AI (1940s-1956)

Major Events:

- 1943: First AI theory by Mc Culloch & Pitts (neural networks)
- *1950:* Alan Turing proposes the Turing Test
- 1956: Dartmouth Conference – birth of AI as a field

🧠AI was born as an academic discipline aimed at building "thinking machines".

The Early AI Boom (1956-1970s)

Achievements:

- Symbolic AI and logic-based systems
- Early programs like ELIZA (chatbot) and Logic Theorist
- Optimism: people believed AI would match human intelligence soon

The First AI Winter (1974-1980)

What Happened?

- *Too many promises, not enough results*
- *Lack of computing power*
- *Funding cuts and loss of interest*

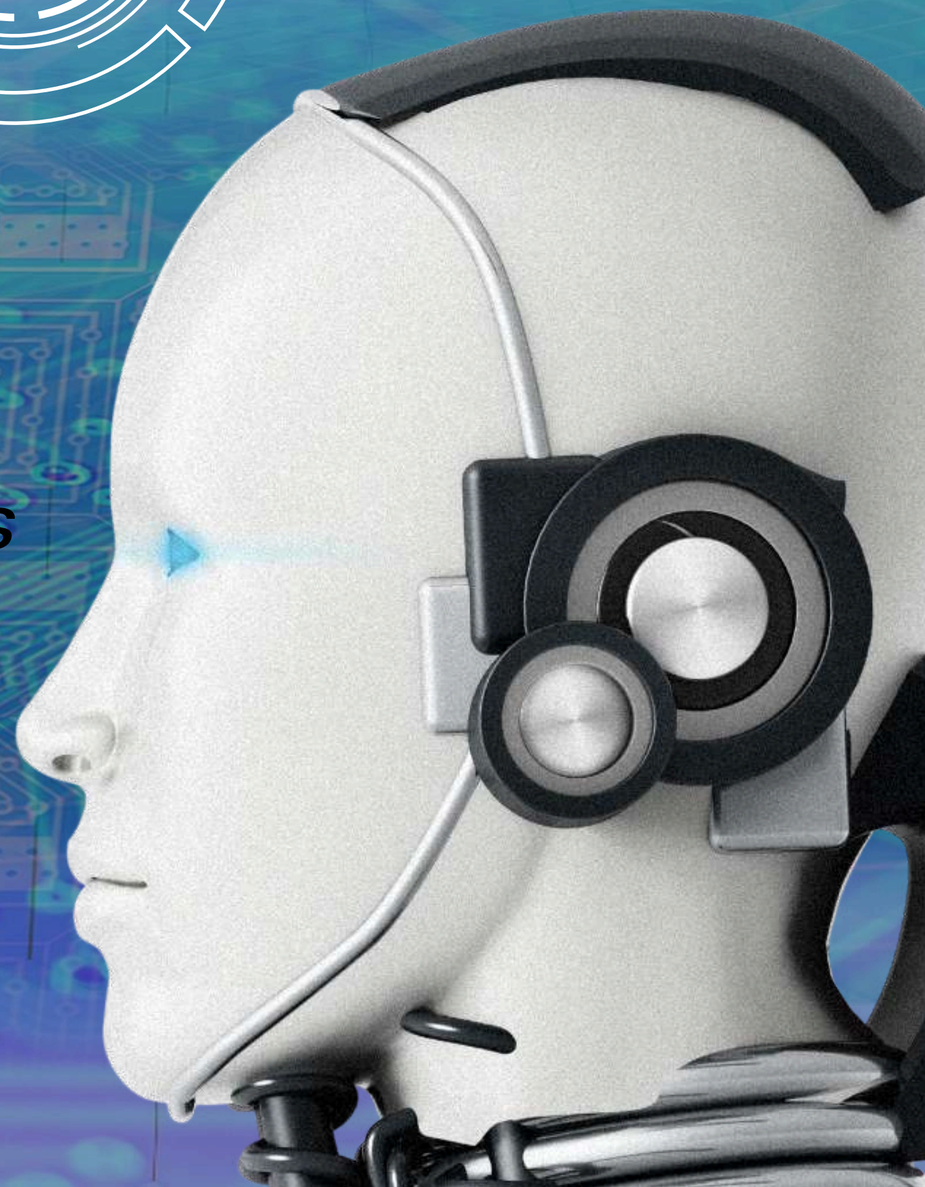
Term: “AI Winter” = period of reduced research activity & funding

The Rise of Expert Systems (1980s)

Breakthrough:

- *Rule-based “if-then” logic systems*
- *Examples: MYCIN (medical diagnosis), XCON (business tools)*
- *AI found success in specific domains*

🧠 *AI shifted from general intelligence to domain-specific expertise.*



The Second AI Winter (Late 1980s-1990s)

Why Again?

- Expert systems were hard to scale
- Maintenance was expensive
- Still lacked true learning or reasoning
- AI became less popular in mainstream tech

The AI Renaissance (2010-Now)

Key Catalysts:

- Big Data
- Advanced GPUs
- Deep Learning

Major Milestones:

- 2012: ImageNet breakthrough
- 2016: AlphaGo beats human Go champion
- 2018-2023: GPT models, ChatGPT, and other LLMs

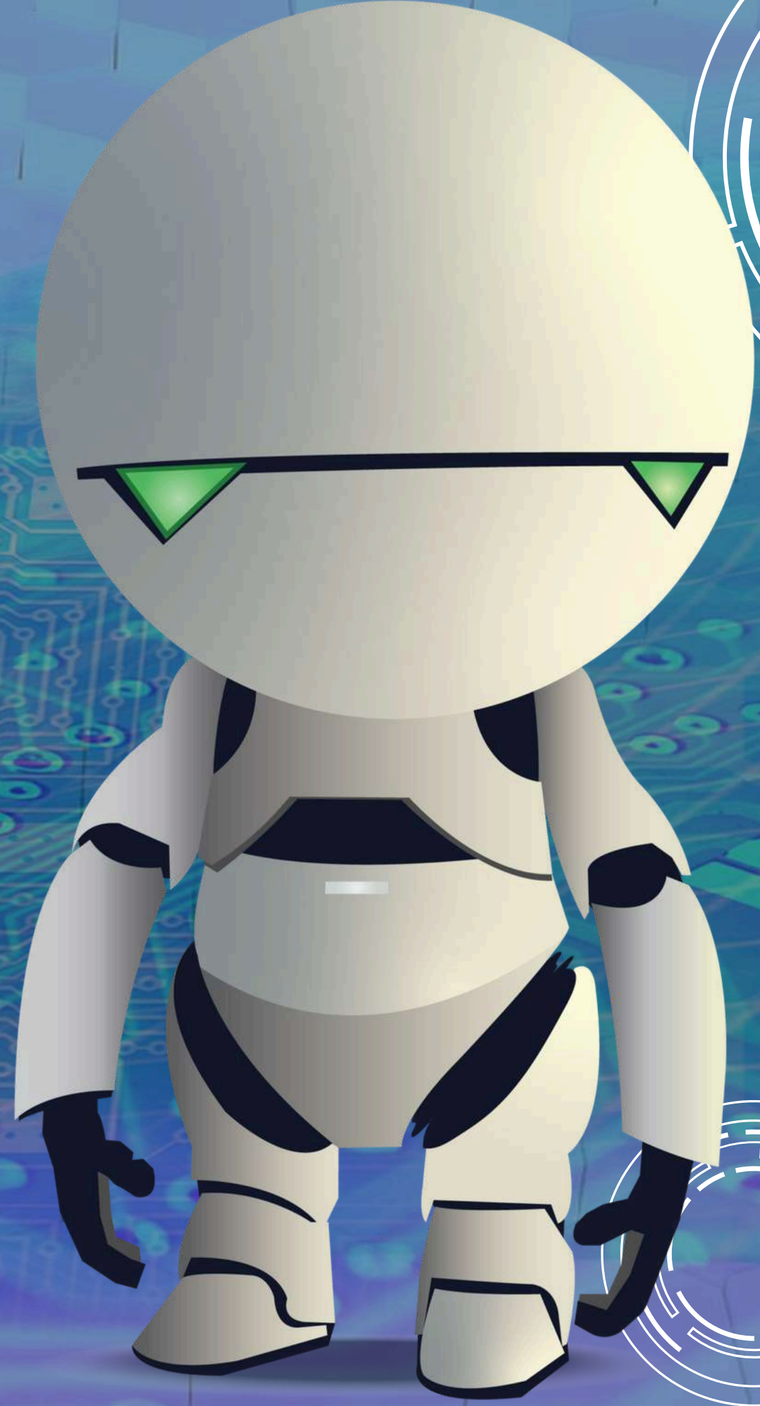
“Paradigm Shift – From Reactive to Agentic AI”

Old AI Models:

- Reactive or pattern-based
- No long-term planning or autonomy

New Paradigm – Agentic AI:

- Agents that perceive, plan, act, and learn
- Use tools, memory, and reasoning
- Work in autonomous loops and solve real problems



What is Agentic AI?

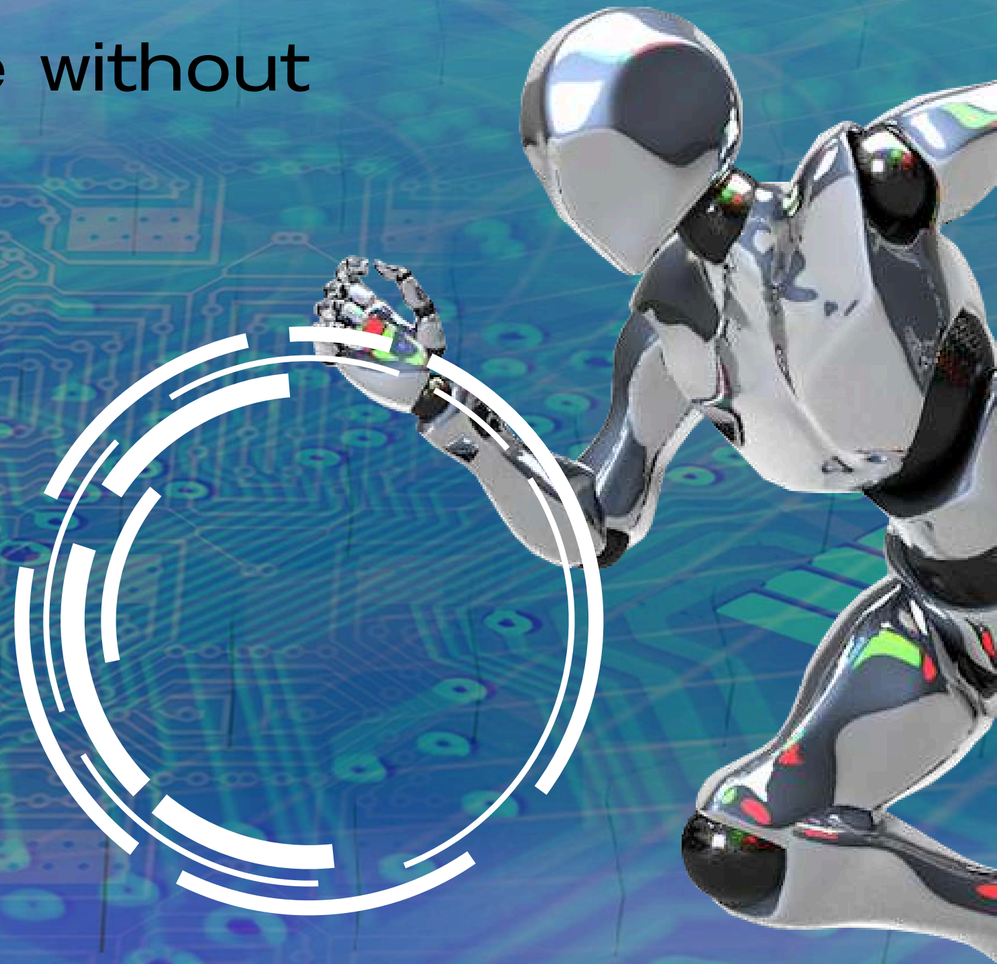
"Agentic AI refers to systems that can make decisions, use tools, and adapt over time without direct human prompts."

Key Features:

- Goal-oriented behaviour
- Long-term memory
- Tool use (e.g. APIs, databases)
- Planning & reasoning

Examples:

- AutoGPT
- Agent-LLMs
- Research agents & automation bots



Timeline of AI Evolution

Visual Suggestion:

A horizontal timeline with these eras:

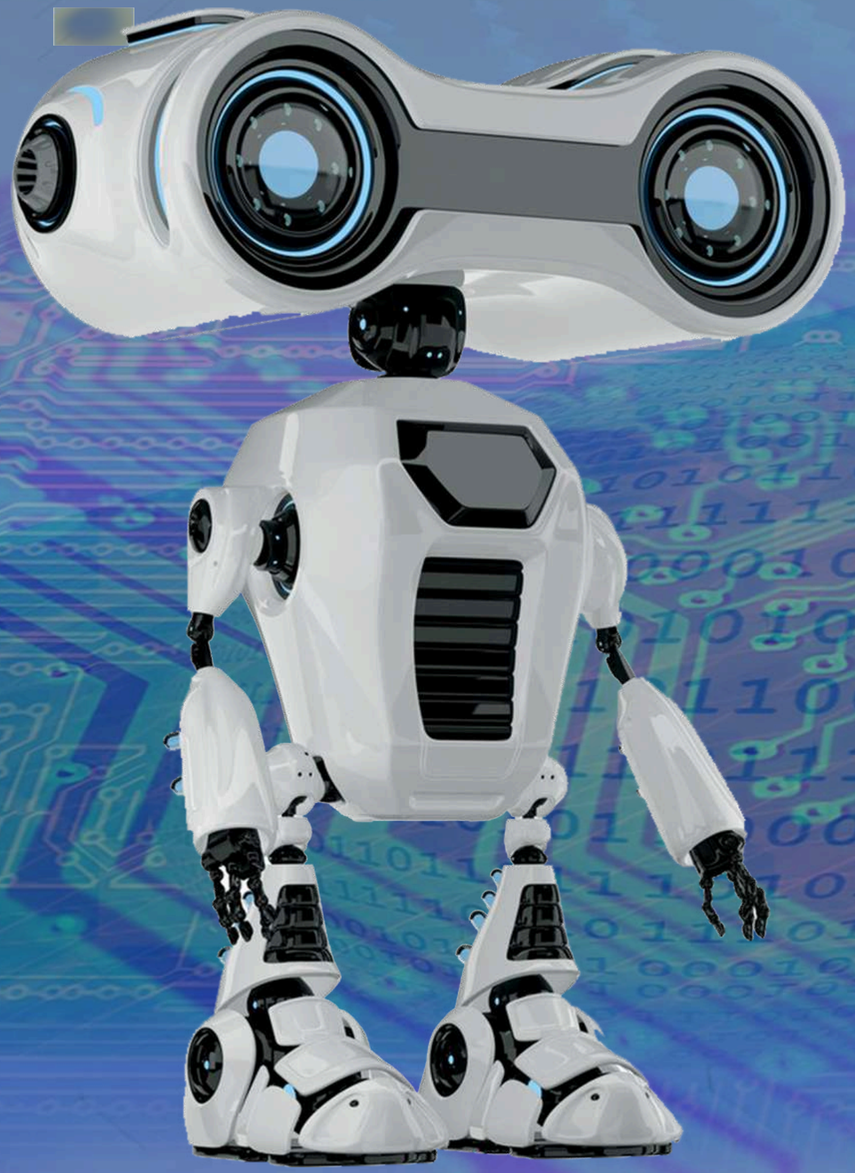
- 1943: Neural net theory
- 1956: Dartmouth Conference
- 1970s: First AI Winter
- 1980s: Expert Systems
- 1990s: Second AI Winter
- 2010s: Deep Learning
- 2020s: Agentic AI

CONCLUSION

SUMMARY:

- AI has evolved through decades of progress and setbacks
- We are now entering the era of autonomous agents
- The future of AI is not just intelligence, but agency.

"*The future belongs to AI systems that can think, plan, and act – just like us."*



THANK YOU

PRESENTED BY MANAHIL NADEEM