GALTech
Technologies Pvt. Ltd.
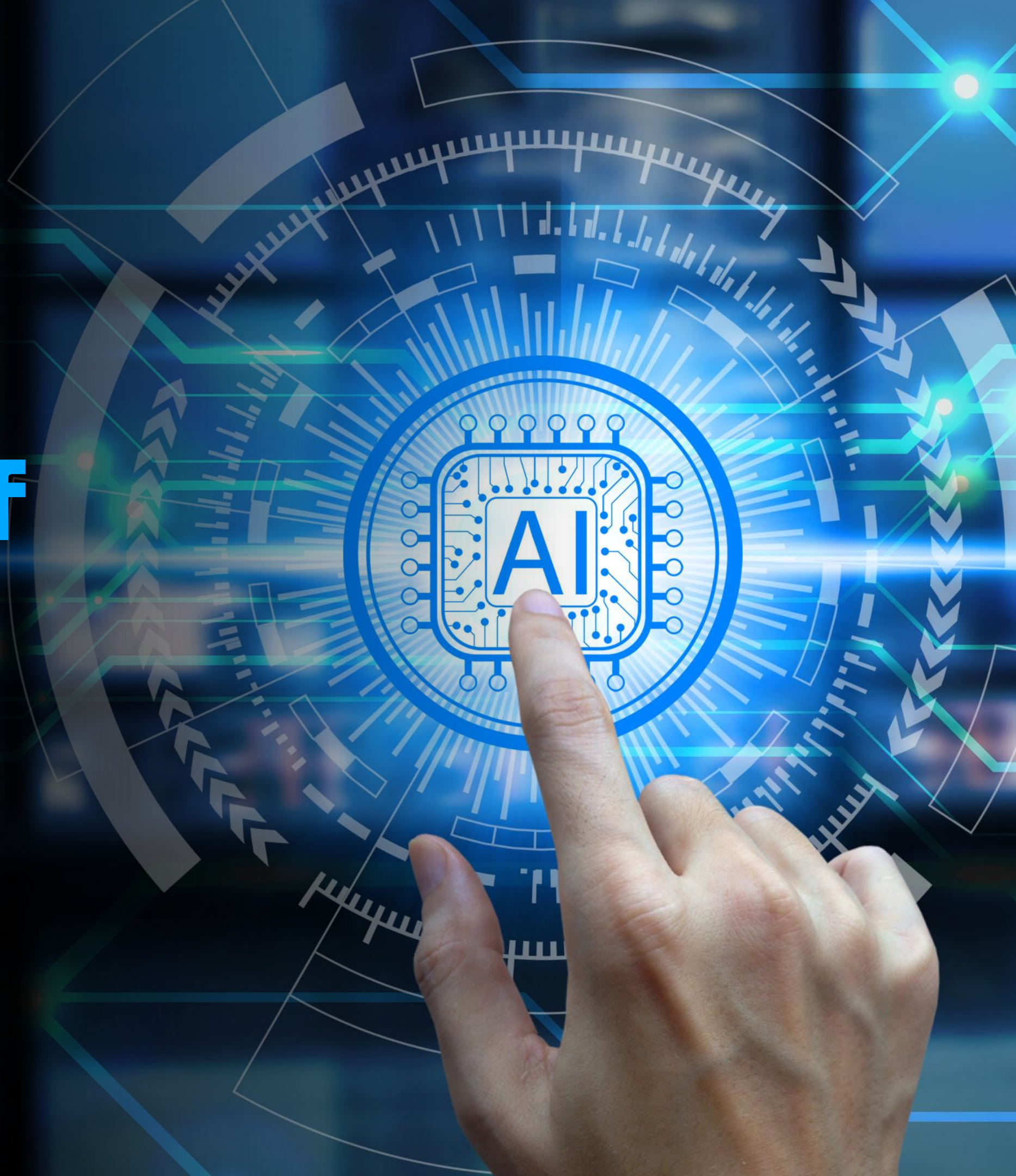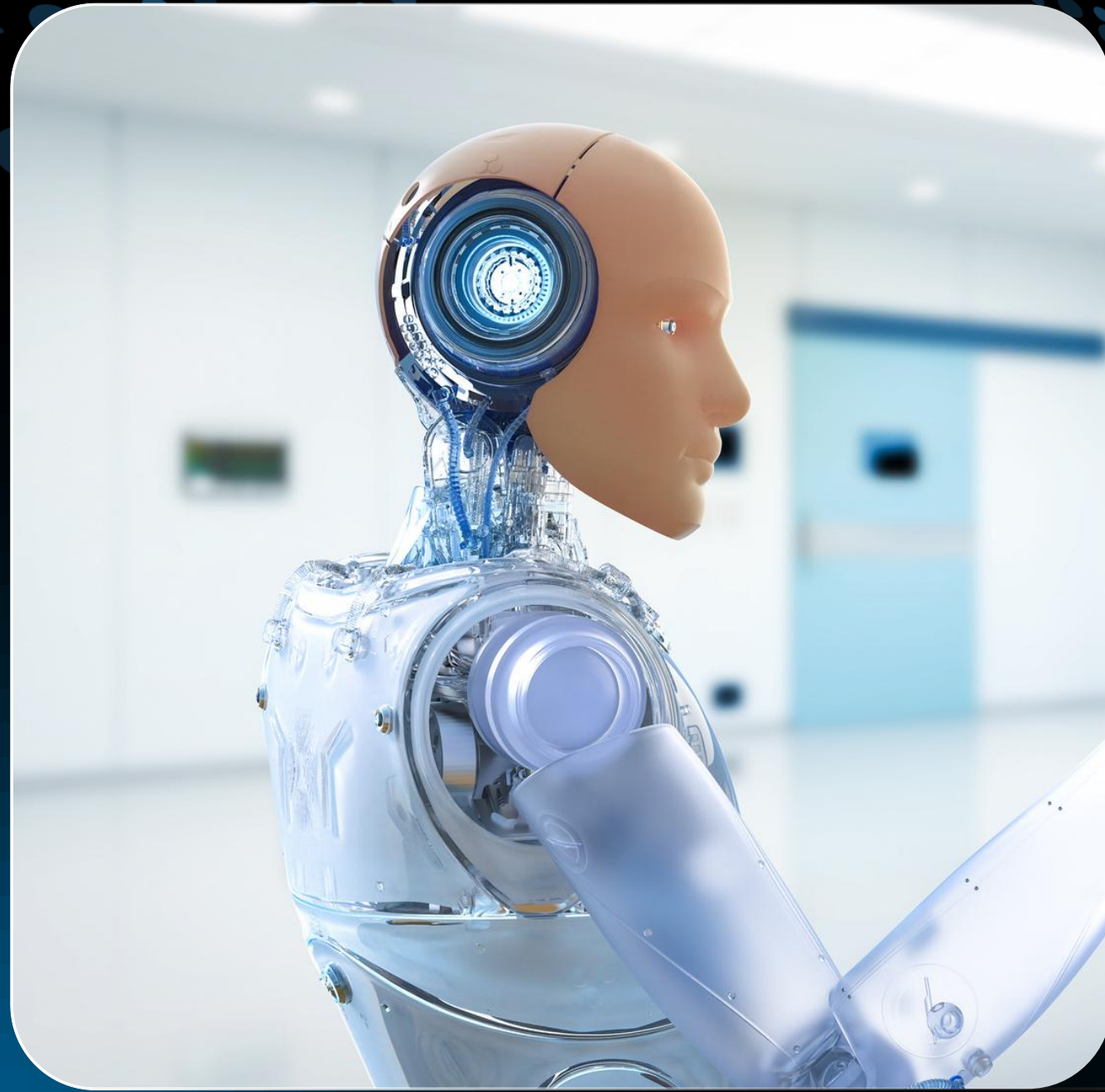
Key components of
AI Agents

Key Components of an AI Agent

The key components of AI agents :
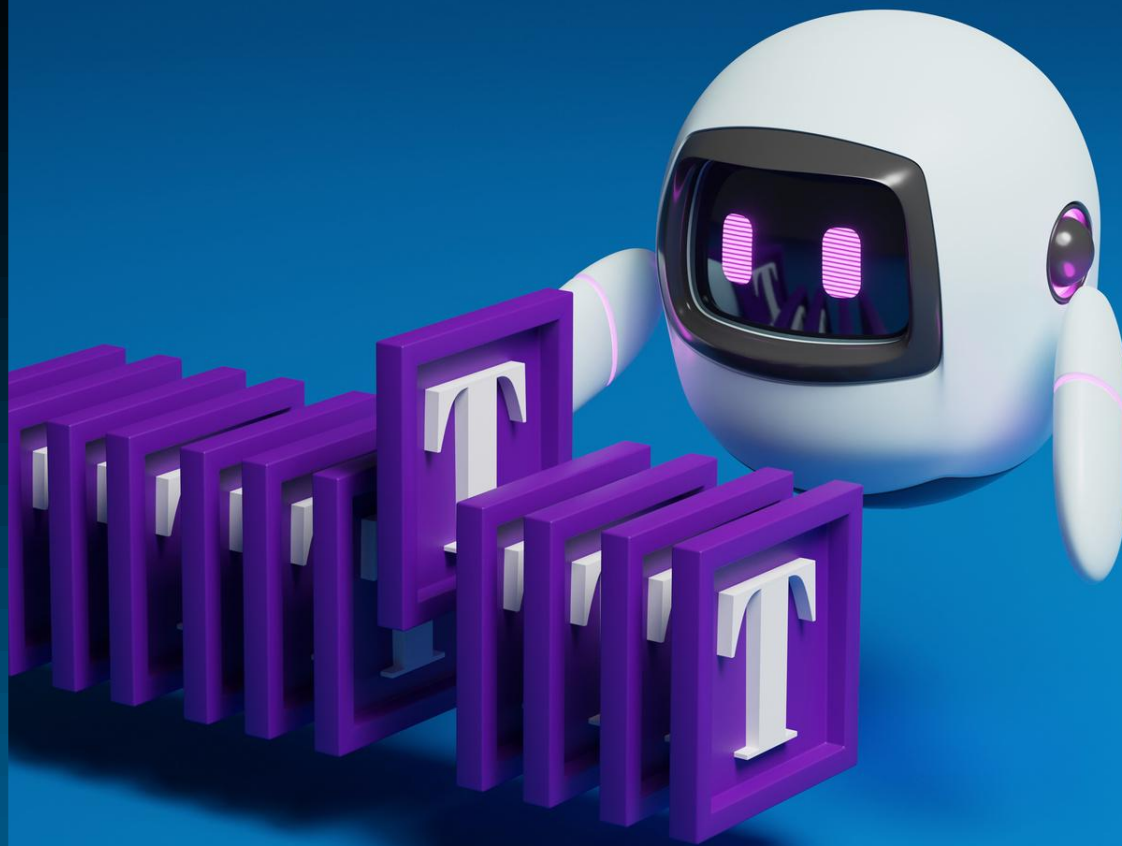1. Brain
2. Memory
3. Tools

AI Brain

• The agent needs to **analyze and decide what to do**.
• This is powered by **AI models** (like Gemini, GPT, Claude).

The "brain" helps with:
• Understanding the request ("Is the customer asking for price or support?").
• Making decisions (Which response or workflow should I follow?).
• Creating text or answers.

Memory & Knowledge Base

Memory stores information about previous steps or messages in a conversation, so the AI can refer back to them later.

•An agent is smarter if it can **remember past conversations** or **look up information**.
• **Short-term memory**: Keeps track of the ongoing conversation.
• **Long-term memory**: Stores customer history, documents, FAQs in a database.
• Tools: Pinecone, Chroma (vector databases).

Tools & Actions

Tools are external functions or services that the language model can use to perform specific tasks beyond just generating text.

•The agent doesn't just think, it can also do tasks.
• Actions include:
• Sending emails, WhatsApp, or Slack messages.
• Updating Google Sheets or CRMs (like HubSpot, Salesforce).
• Searching the web or fetching info from APIs.

THANK YOU