What is Artificial Intelligence (AI)?

At its core, AI is about making computers and machines capable of “intelligent” behavior.

This means they can:

- Learn from data: AI can find patterns and insights from big sets of information.
- Reason and make decisions: AI can use logic and rules to make choices or predictions.
- Perceive the world: AI systems use sensors (cameras, microphones) to understand their surroundings.
- Interact naturally: AI powers things like chatbots that can converse in a human-like way.

Examples of AI in Our Daily Lives

- Recommendations: Netflix telling you what to watch next, Spotify suggesting songs, or Amazon showing you products you might like.
- Search Engines: Google and others use AI to rank websites and give you the best results.
- Voice Assistants: Siri, Alexa, and Google Assistant help you set timers, play music, and get information hands-free.
- Smart Home Devices: AI can control your lights, adjust the thermostat, and manage other smart appliances.
- Navigation Apps: Google Maps and Waze use AI for real-time traffic updates and route suggestions.
- Fraud Detection: Banks use AI to spot unusual activity and prevent suspicious transactions.
- Spam Filtering: Your email uses AI to sort out junk mail.

- Social Media: AI helps personalize your feed, target ads, and even moderate content.

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