Introduction to Artificial Intelligence

What is Artificial Intelligence?

Artificial Intelligence (AI) refers to the simulation of human intelligence in machines.

AI systems are capable of learning, reasoning, problem-solving, and adapting to new situations.

Types of AI:

1. Narrow AI: Designed for specific tasks, such as voice assistants (e.g., Siri, Alexa).

2. General AI: Hypothetical AI that can perform any intellectual task a human can.

Applications of AI:

AI is used in various fields, including:

- Healthcare (diagnosis, medical imaging)

- Finance (fraud detection, algorithmic trading)

- Autonomous Vehicles (self-driving cars)