

What is Artificial Intelligence?

Artificial Intelligence (AI) is a branch of computer science that focuses on creating machines or systems that can perform tasks which normally require human intelligence. These tasks include learning, reasoning, problem-solving, and decision making.

AI systems analyze data, identify patterns, and make decisions based on the information they receive.

Types of Artificial Intelligence

1. Narrow AI

Narrow AI is designed to perform a specific task. It cannot perform tasks outside its programming.

Examples:

- Voice assistants
- Recommendation systems
- Spam filters

2. General AI

General AI refers to machines that can perform any intellectual task that a human can do. This type of AI is still under development.

Applications of Artificial Intelligence

AI is used in many industries today, such as:

- Healthcare

AI helps doctors diagnose diseases and analyze medical data.

- Education

AI tools help students learn through personalized learning systems.

- **Banking**

AI is used to detect fraud and manage financial transactions.

- **Transportation**

Self-driving cars use AI to navigate roads safely.

Advantages of Artificial Intelligence

- 1. Reduces human error**
- 2. Works continuously without fatigue**
- 3. Handles large amounts of data quickly**
- 4. Improves decision making**