

## Introduction to Artificial Intelligence

Artificial Intelligence (AI) refers to the simulation of human intelligence in machines. These machines are programmed to think like humans and mimic their actions. The term may also be applied to any machine that exhibits traits associated with a human mind such as learning and problem-solving.

### Types of AI:

1. Narrow AI - Designed to perform a narrow task (e.g. facial recognition or internet searches).
2. General AI - An AI system with generalized human cognitive abilities.
3. Superintelligent AI - Hypothetical AI that surpasses human intelligence.

### Applications of AI:

- Virtual Assistants (like Siri and Alexa)
- Self-driving cars
- Fraud detection
- Personalized recommendations on platforms like Netflix and Amazon

### Conclusion

As AI continues to evolve, it is transforming industries and changing the way we interact with technology. The potential of AI is vast, but so are the ethical considerations and responsibilities that come with it.