

Artificial Intelligence (AI) is the simulation of human intelligence in machines that are programmed to think and learn.

AI systems can perform tasks such as problem-solving, speech recognition, and decision-making.

Machine Learning is a subset of AI that enables systems to learn from data and improve automatically without being explicitly programmed.

It is widely used in healthcare, finance, education, and autonomous systems.

Deep Learning is a specialized branch of machine learning that uses neural networks with multiple layers.

It has enabled breakthroughs in image recognition, natural language processing, and robotics.

The future of AI focuses on ethical use, transparency, and responsible deployment across industries.