

Artificial Intelligence (AI) refers to the simulation of human intelligence in machines designed to perform tasks that typically require human cognition. AI has diverse applications ranging from healthcare, finance, and transportation to entertainment and education. Techniques like computer vision, natural language processing, and robotics form the backbone of AI systems. AI's ability to learn and adapt is enabled by machine learning algorithms, which help in identifying patterns and making predictions. Ethical considerations in AI include issues like bias, privacy, and job displacement. With advancements in technology, AI continues to revolutionize industries, enabling automation, improved decision-making, and personalized experiences. The impact of AI on society is profound, offering both opportunities and challenges.