

Artificial Intelligence

Artificial Intelligence (AI) is a branch of computer science focused on creating intelligent machines capable of performing tasks that typically require human intelligence. AI systems use algorithms to process data, learn patterns, and make decisions or predictions. Applications include natural language processing (e.g., chatbots), computer vision (e.g., image recognition), robotics (e.g., autonomous vehicles), and more. AI is divided into narrow AI, which is task-specific, and general AI, which aims to perform any intellectual task a human can do. Machine learning and deep learning are subsets of AI that involve training models on large datasets to identify patterns and insights. As AI continues to evolve, ethical considerations such as data privacy, bias, and transparency are becoming increasingly important.