

Artificial Intelligence (AI) is a branch of computer science that focuses on creating intelligent machines capable of performing tasks that typically require human intelligence. Machine Learning, a subset of AI, enables computers to learn from data and improve their performance without explicit programming. Deep Learning, a type of machine learning, uses neural networks inspired by the human brain to process complex patterns and make decisions. Natural Language Processing (NLP) is another crucial AI field that helps computers understand, interpret, and generate human language, enabling applications like chatbots and language translation.