**Artificial Intelligence (AI)** is the simulation of human intelligence processes by machines, especially computer systems. Applications of AI include expert systems, natural language processing, speech recognition, and machine vision.

**Machine learning** is a subset of AI that enables systems to learn and improve from experience without being explicitly programmed.

**Privacy and security** are critical when deploying AI in real-world scenarios to protect sensitive data.

Recent advances in **GPUs** have accelerated deep learning models, making AI more accessible and powerful.