Introduction to Artificial Intelligence (AI)

Artificial Intelligence (AI) is the branch of computer science that focuses on creating intelligent machines capable of performing tasks that typically require human intelligence. These tasks include learning, reasoning, problem-solving, perception, and natural language understanding.

# Applications of AI

1. Healthcare – AI helps in disease diagnosis, medical imaging, and drug discovery.  
2. Finance – Fraud detection, risk management, and algorithmic trading.  
3. Education – Personalized learning and automated grading systems.  
4. Transportation – Self-driving cars and smart traffic management.  
5. Customer Service – Chatbots and virtual assistants.

# Types of AI

AI can be classified into three categories:  
- Artificial Narrow Intelligence (ANI): AI specialized in one task.  
- Artificial General Intelligence (AGI): AI with human-like intelligence.  
- Artificial Super Intelligence (ASI): AI surpassing human intelligence.

# Conclusion

AI is revolutionizing industries and reshaping the way humans interact with technology. While it presents immense opportunities, it also raises ethical and societal concerns that need careful consideration.