Chapter 1: Introduction to Artificial Intelligence

Artificial Intelligence (AI) is a branch of computer science that focuses on creating systems capable of simulating human intelligence. Applications include speech recognition, computer vision, natural language processing, and decision-making.

Chapter 2: Applications of Artificial Intelligence

AI is used in many areas, including healthcare, education, finance, transportation, and security. For example, in medicine, AI can assist in diagnosing diseases based on radiological images.

Chapter 3: Challenges and Ethics

One of the main challenges in developing AI is ensuring that systems are fair, transparent, and safe. It is also essential to ensure that AI is used ethically and responsibly.