

# Artificial Intelligence Notes

Artificial Intelligence (AI) enables machines to mimic human intelligence. ■ Key Topics: 1. Search Algorithms — BFS, DFS, A\* Algorithm. 2. Machine Learning — Supervised, Unsupervised, and Reinforcement Learning. 3. Neural Networks — Inspired by the human brain. 4. Natural Language Processing — Language understanding and generation. 5. Expert Systems — Rule-based AI systems. ■ Tip: Learn about AI ethics and data bias — critical in real-world applications.