

What are 5 core branches of AI?

- Machine Learning (ML): enables machines to learn.
- Natural Language Processing (NLP): enables machines to understand natural language.
- Computer Vision (CV): enables machines to see.
- Robotics: Enables machines to interact with the physical environment autonomously.
- Expert Systems: traditional systems that use autonomous decision making.



CORE AREAS OF AI

LECTURE SUMMARY



Models: collection of algorithms

What is Machine Learning?

ML is a subset of AI, and its main focus (as implied by the name) is enabling machines and systems to “learn” from data without being explicitly programmed on what to learn or how.

Machine Learning concepts

Main types of Machine Learning (ML) techniques:

- Supervised Learning: Algorithms learn from labeled data.
- Unsupervised Learning: Self-learning algorithms.
- Reinforcement Learning: Algorithms learn from feedback.