



Artificial Intelligence Basic Day 1

Explore the fascinating world of Artificial Intelligence, from its core definitions and historical milestones to its diverse applications and the tools shaping our future.



What is Artificial Intelligence?

Definition of Al

Al is the ability of machines to mimic human intelligence, enabling them to understand language, recognize patterns, solve problems, and learn from experience.

Evolution of AI

From Alan Turing's test in 1950 to the rise of machine learning and deep learning in the 2000s, AI has continuously evolved.



Types of Al



Narrow Al

Performs specific tasks (e.g., voice assistants, face recognition).

General AI

Performs any intellectual task like a human (still in research phase).

Super Al

Hypothetical AI surpassing human intelligence (not yet real).



AI in Daily Life



Voice Assistants

Siri, Alexa, and Google Assistant.



Face Unlock

Secure access on smartphones.



Navigation

Google Maps for route prediction.



Recommendations

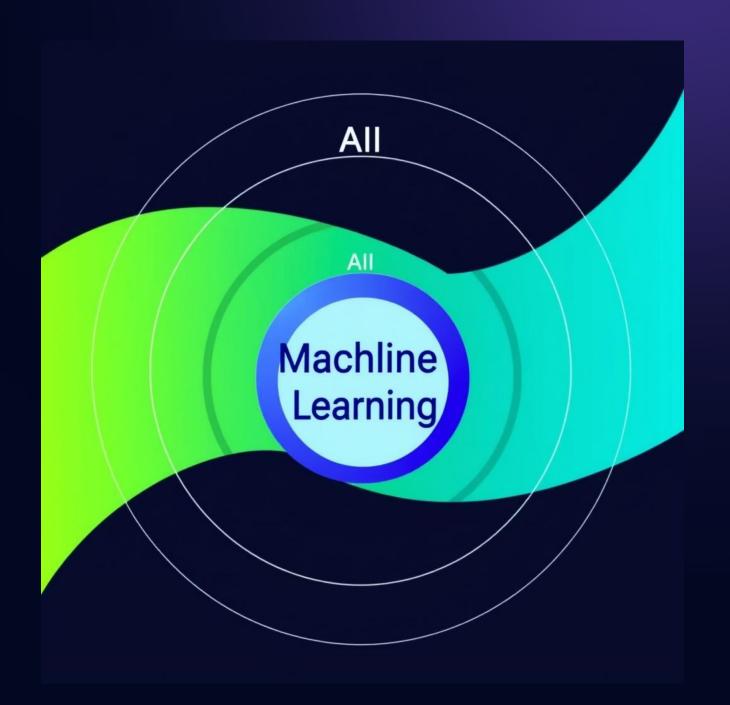
YouTube/Netflix personalized suggestions.

Core Concepts of Al



AI vs. ML vs. DL

- **AI:** General field of intelligent systems.
- **ML:** Subset of Al, machines learn from data.
- **DL:** Subset of ML, uses neural networks.





Key Fields in Al



Machine Learning

Algorithms learning patterns from data.



Computer Vision

Al interpreting visual data.



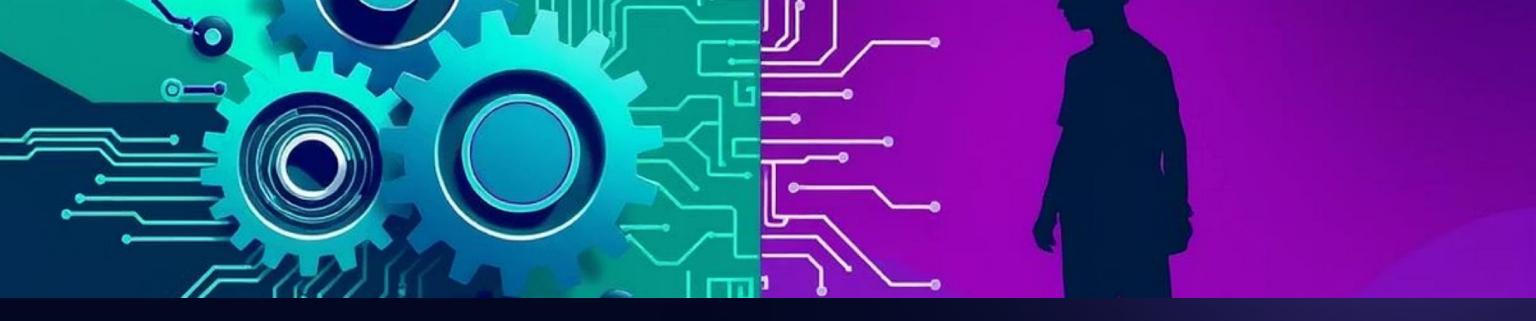
Natural Language Processing

Al understanding human language.



Robotics

Robots performing tasks in the physical world.



Al vs. Human Intelligence

Pros of Al

- Fast and accurate
- No fatigue
- 24/7 operation

Cons of Al

- No emotions
- Lacks common sense
- Risk of job displacement



Applications of Al

Healthcare

Disease diagnosis, robotic surgeries, drug discovery.

Agriculture

Weather forecasting, crop monitoring with drones.

Education

Personalized learning, smart grading, chatbots.

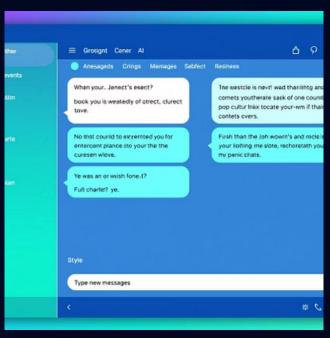
Entertainment & E-commerce

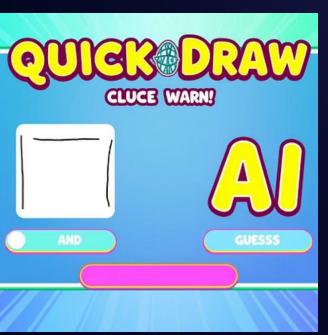
Recommendations, chatbots, dynamic pricing.



Practical AI Tools









Explore tools like Google Teachable Machine, ChatGPT, Quick Draw, and AutoDraw to experience Al firsthand.