#microreport

# TYPES OF AI SYSTEMS: A MICROREPORT

A Brief Overview of the Different AI Technologies Shaping the Future

# Machine Learning (ML)

Machine learning is a subset of AI involving algorithms that learn from data to identify patterns and make predictions or decisions without explicit programming. It includes three main categories:

- Supervised Learning
- Unsupervised Learning
- Reinforcement Learning

# 2. Deep Learning

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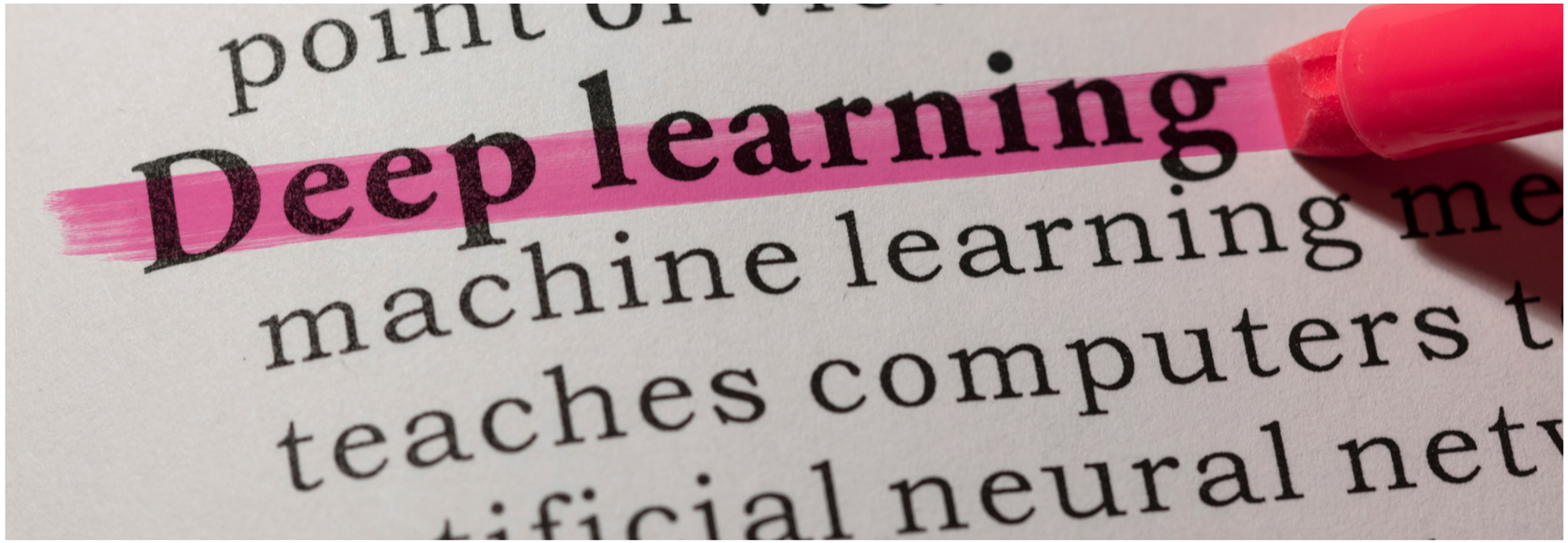
Deep learning, a subset of machine learning, uses artificial neural networks to process large amounts of data and learn complex patterns. It excels at tasks like image and speech recognition, natural language processing, and game playing.



# 3. Natural Language Processing (NLP)

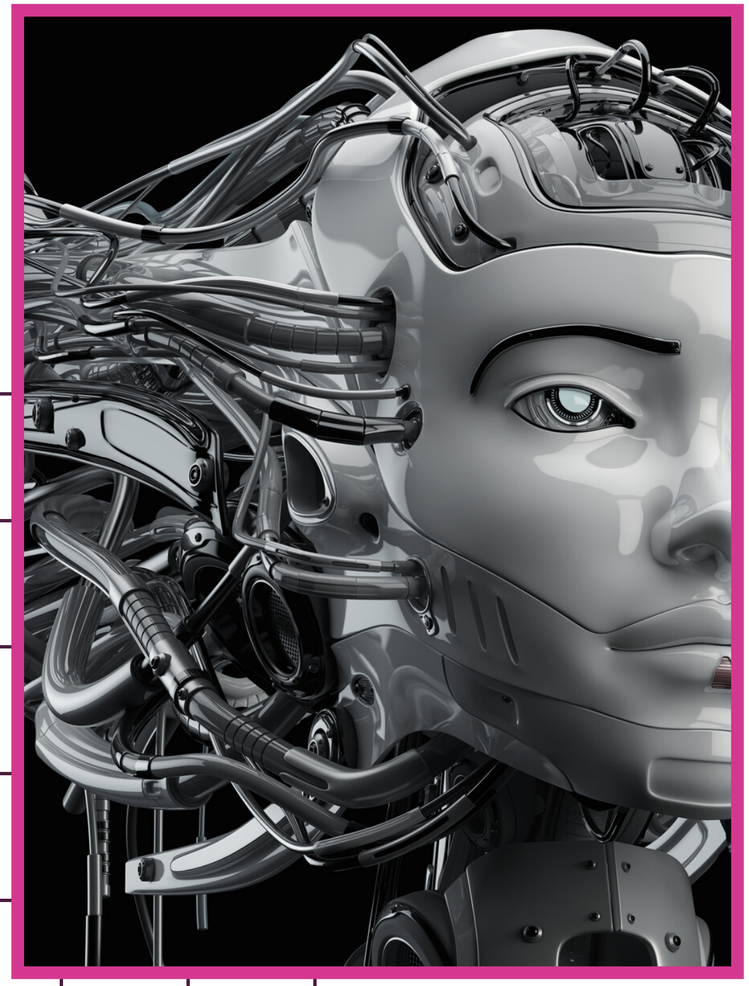
NLP focuses on enabling computers to understand, interpret, and generate human language. NLP systems can analyze text, extract information, perform sentiment analysis, and generate human-like responses in conversational AI applications.

# 4. Computer Vision

Computer vision allows computers to interpret and analyze visual information, such as images or videos. It is used in applications like facial recognition, object detection, and autonomous vehicles.


# 5. Expert Systems

Expert systems mimic human expertise in a specific domain, using knowledge-based systems and rule-based reasoning to solve complex problems. They are commonly used in areas like medical diagnosis, financial planning, and legal advice.

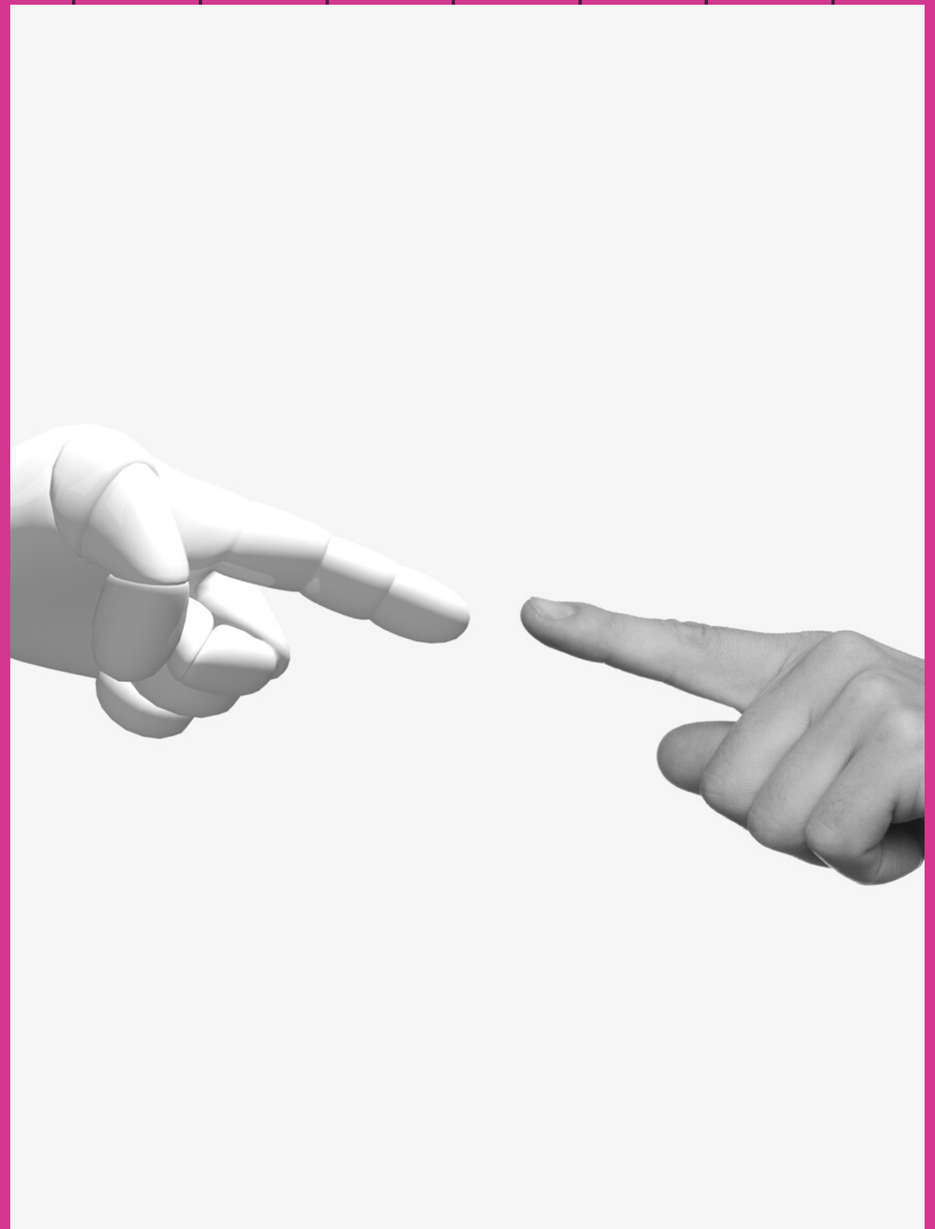


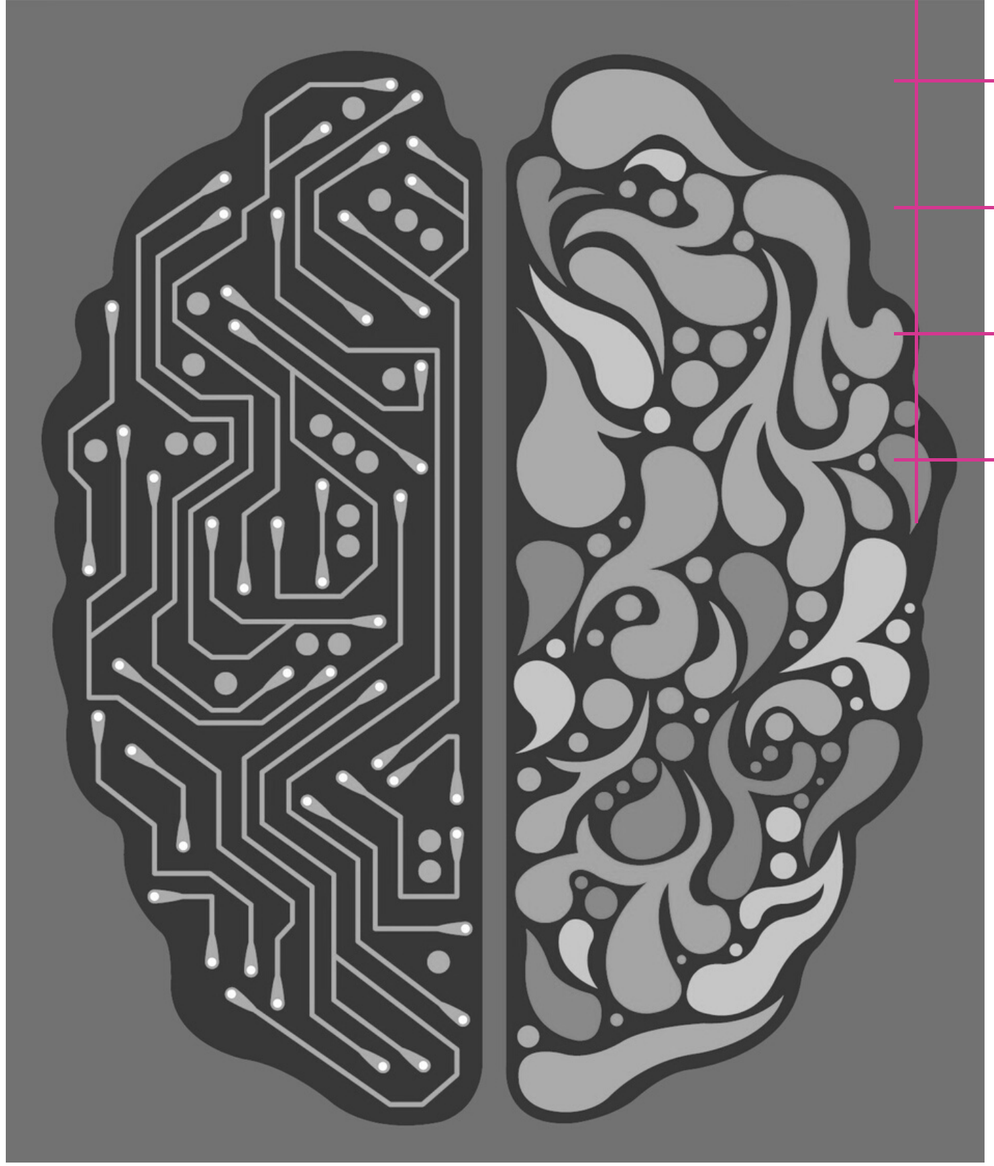
# 6. Robotics

Robotics combines AI, mechanical engineering, and computer science to design and build intelligent machines capable of performing tasks autonomously or semi-autonomously. Robots are used in applications such as manufacturing, healthcare, and space exploration.

# AI Market Growth

The global AI market is expected to reach $554.3 billion by 2024 (Statista), with AI having the potential to create between $3.5 trillion and $5.8 trillion in value annually across various industries (McKinsey).





# Thank You!

Contact us for more questions.

Email Address

support@salesfully.com

Website

www.salesfully.com