

## What is the first thought that comes to your mind when you think of Al? شو أول فكرة بتجى على بالك لما بتفكر بالذكاء الاصطناعي؟



#### Which Al tools do you use or are familiar with?

شو أدوات الذكاء الاصطناعي يللي بتستعملها أو معود عليها

Chstgpt

forms... tesportal... google translate...

**Chat gpt - Gemini** 

Gamma

# ChatGPT

Microsoft copilot

Gemini Deep seek

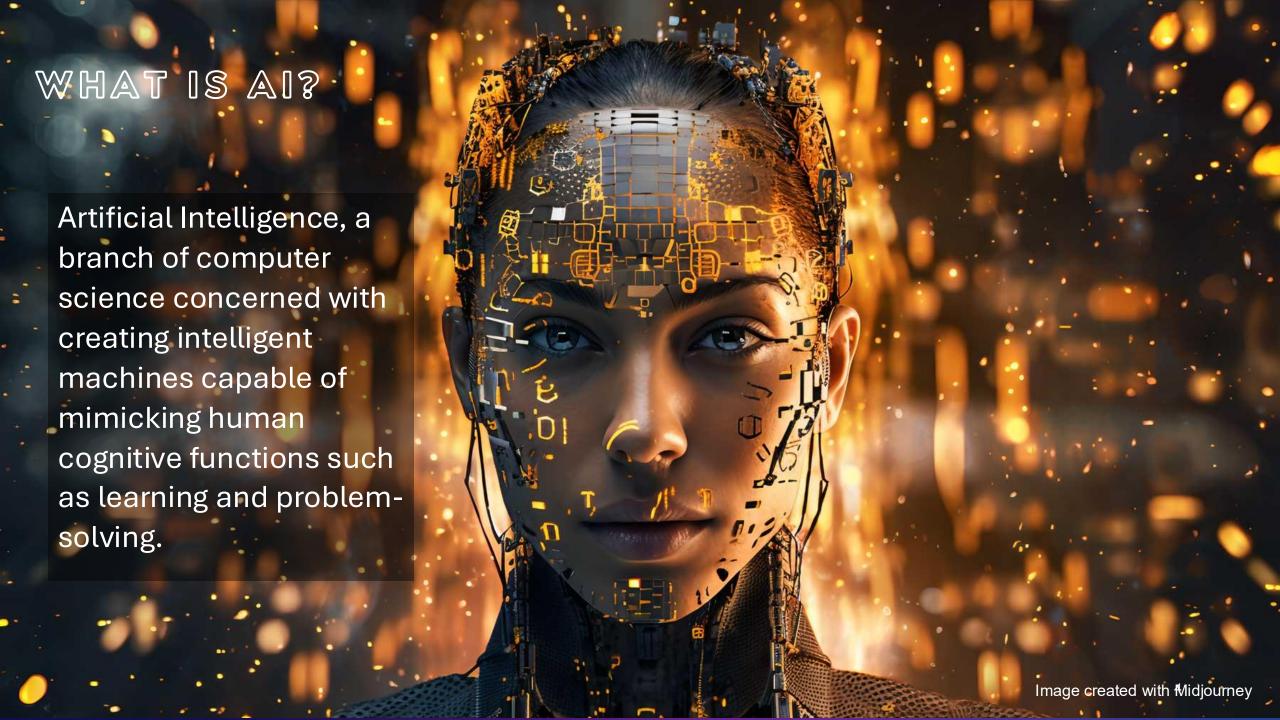
Canva Al

foxandblox. mywebar. teachcourseplanning

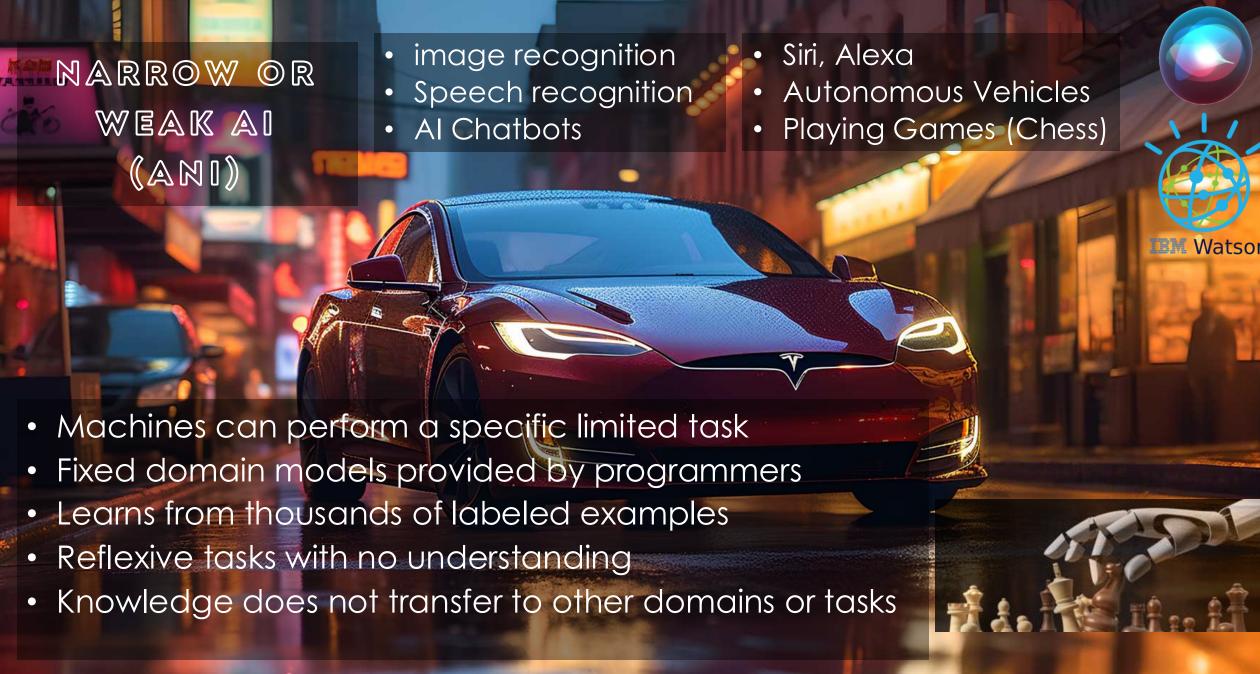
Chat gpt

chat on

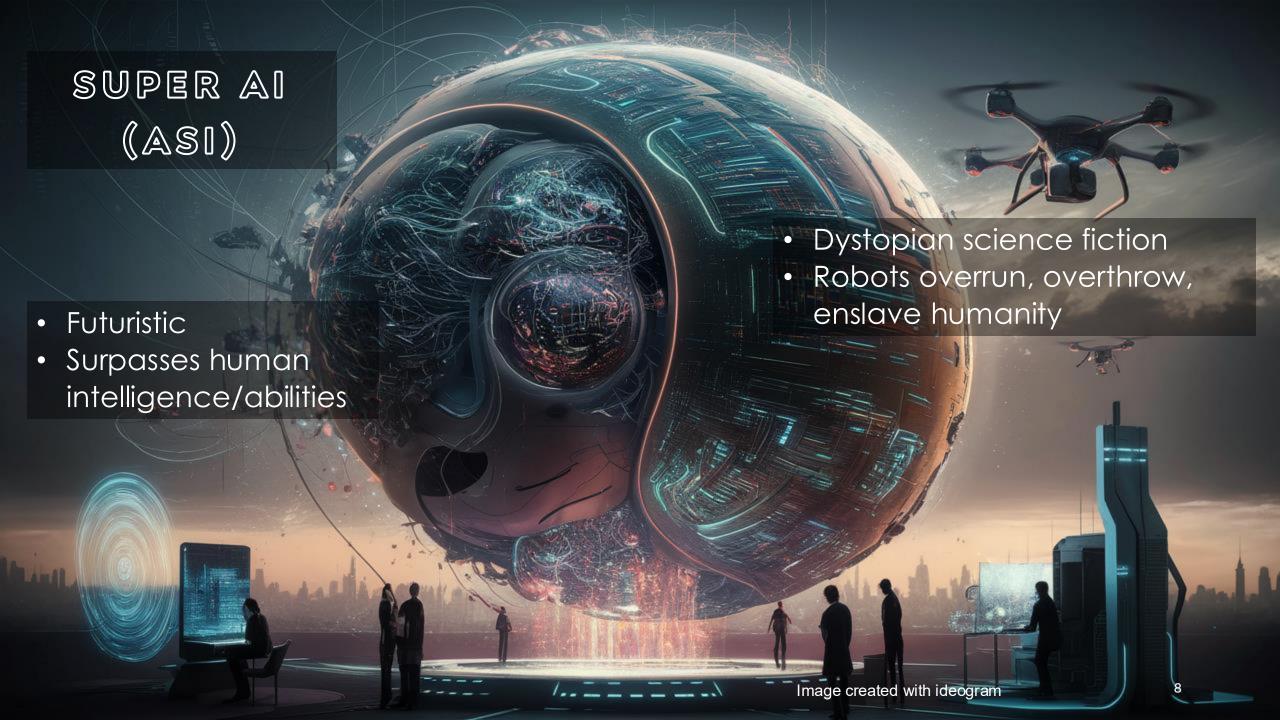
Claude











# 3 Types of Artificial Intelligence

**Artificial General** 

Intelligence (AGI)

Artificial Narrow Intelligence (ANI)



Stage-1

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#### Machine Learning

 Specialises in one area and solves one problem



4



 Refers to a computer that is as smart as a human across the board

Intelligence

Stage-2

Machine

Artificial Super Intelligence (ASI)



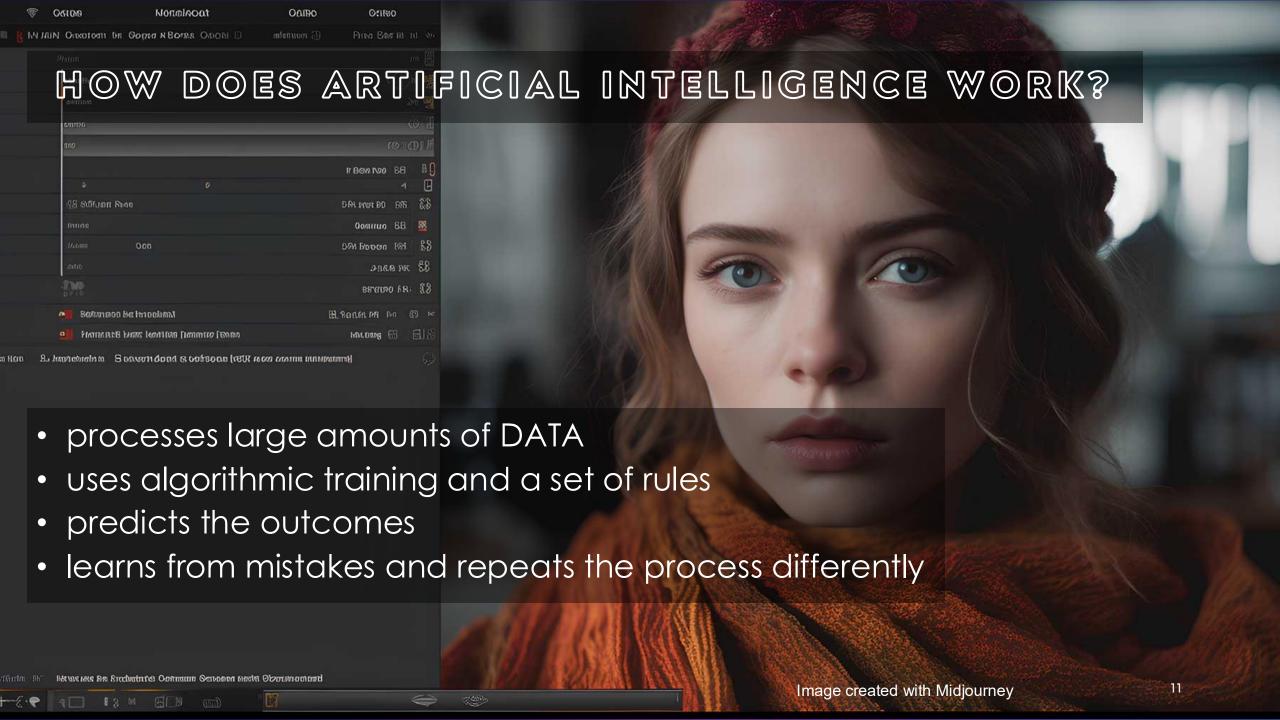
Stage-3

## Machine Consciousness

 An intellect that is much smarter than the best human brains in practically every field



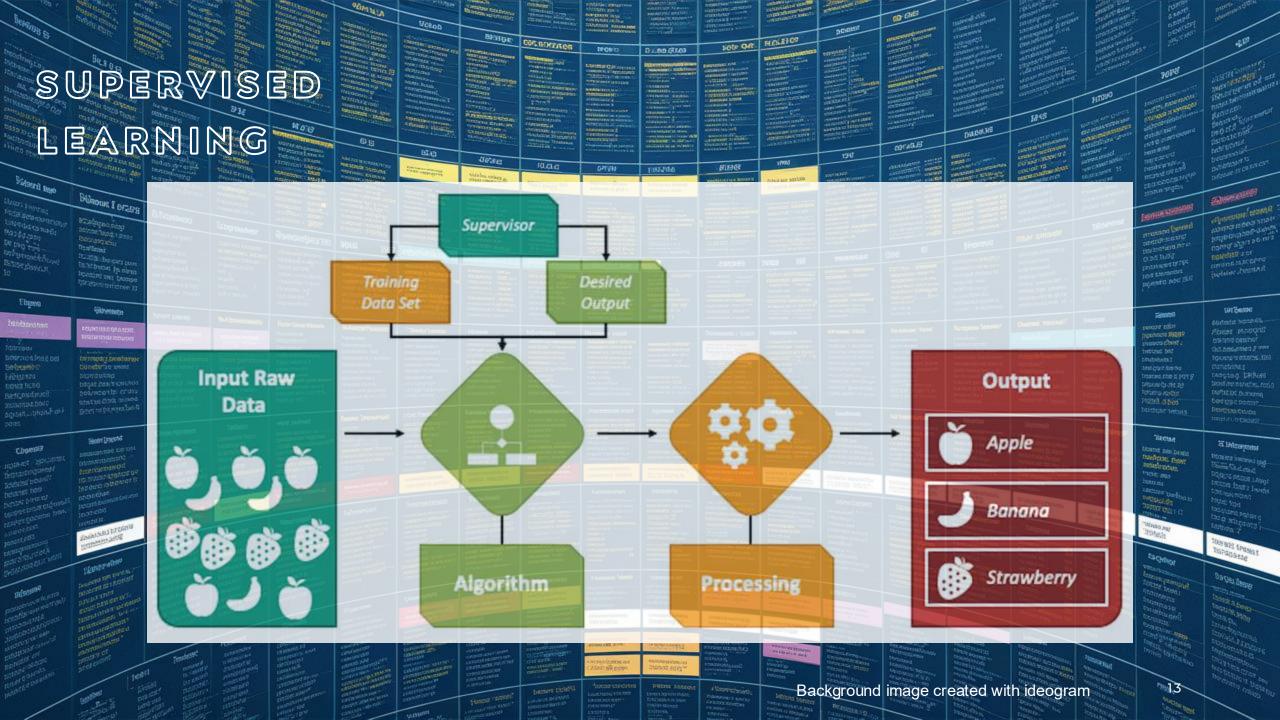


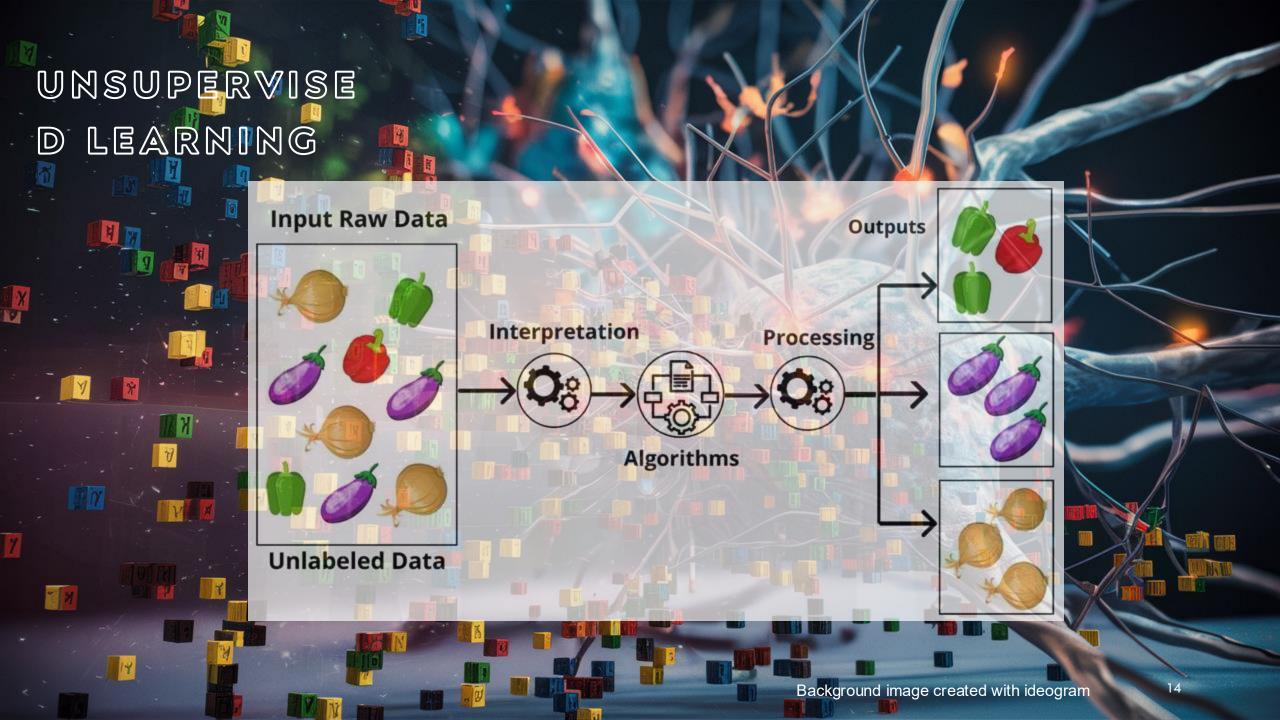


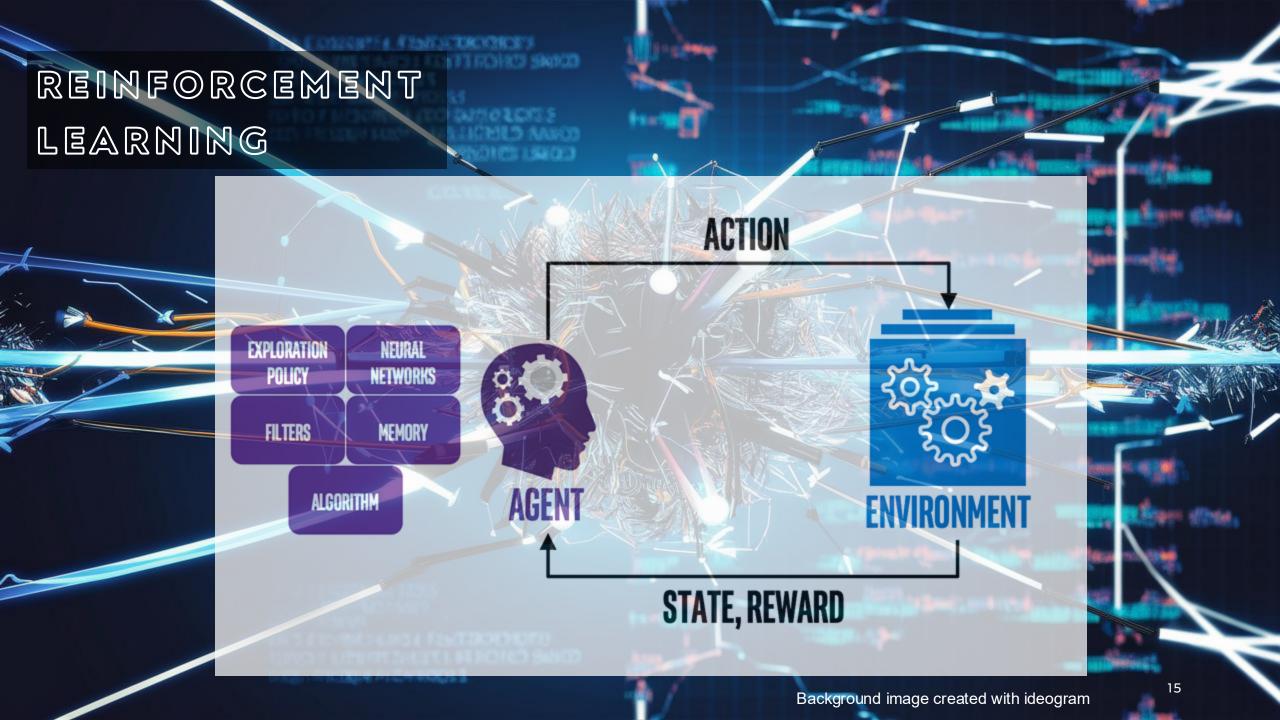
WHAT IS ML?

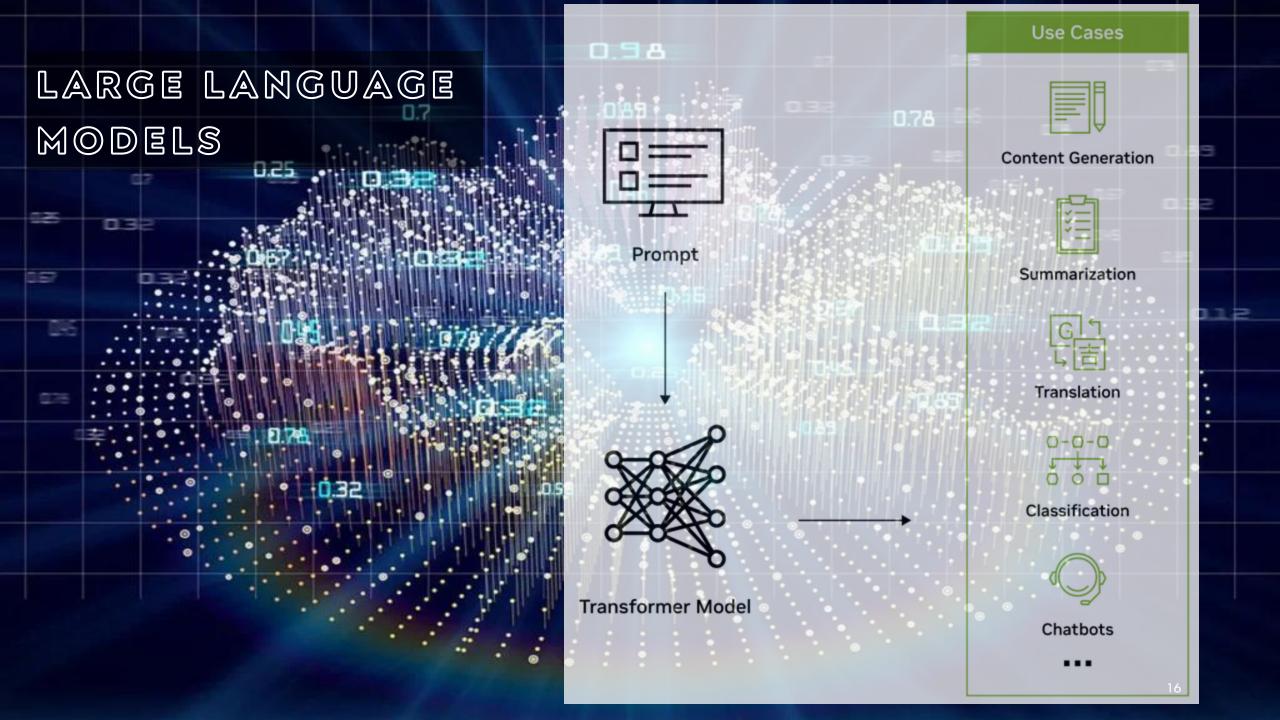
Machine learning, a subset of AI, allows machines to learn from data without explicit programming.

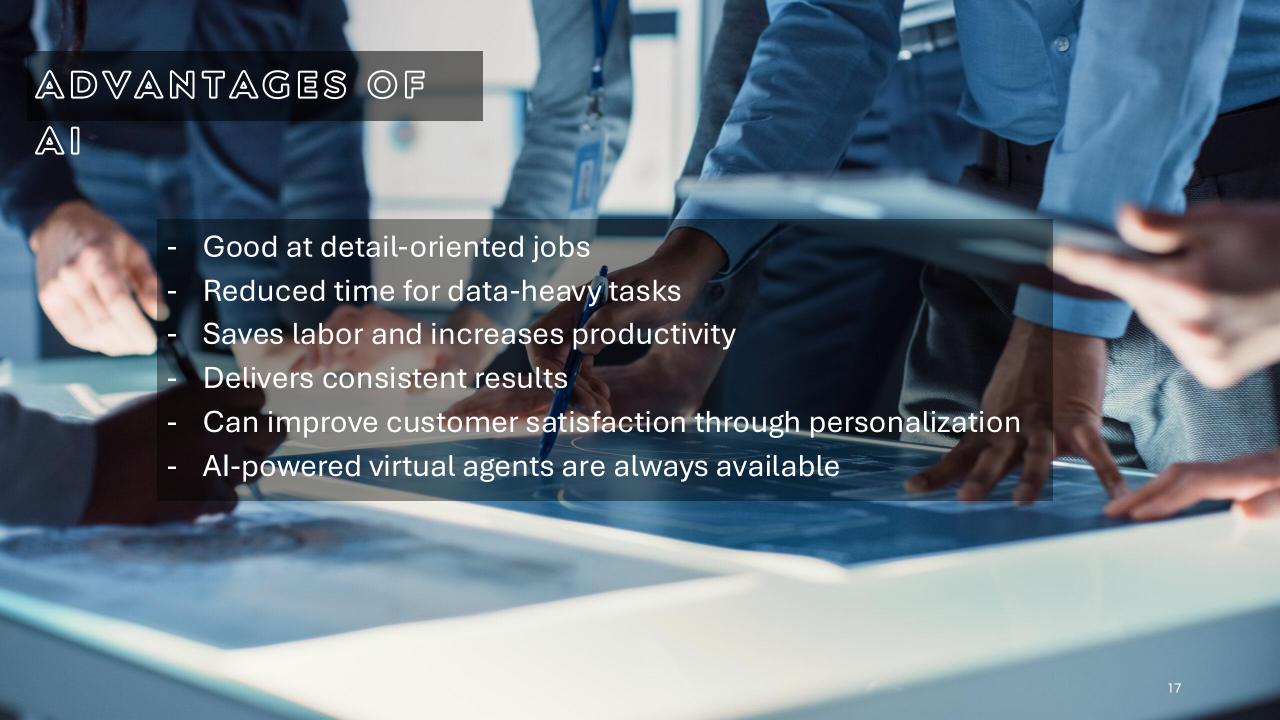
- supervised learning
- unsupervised learning
- reinforcement learning.



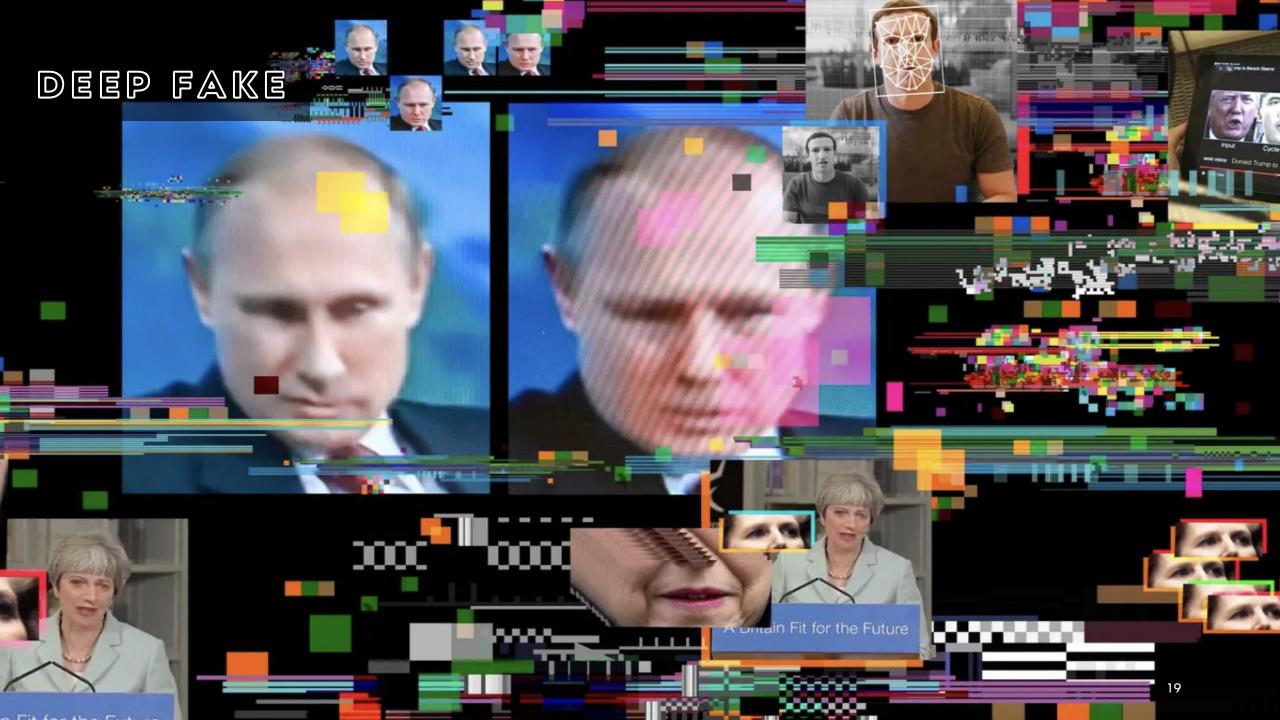








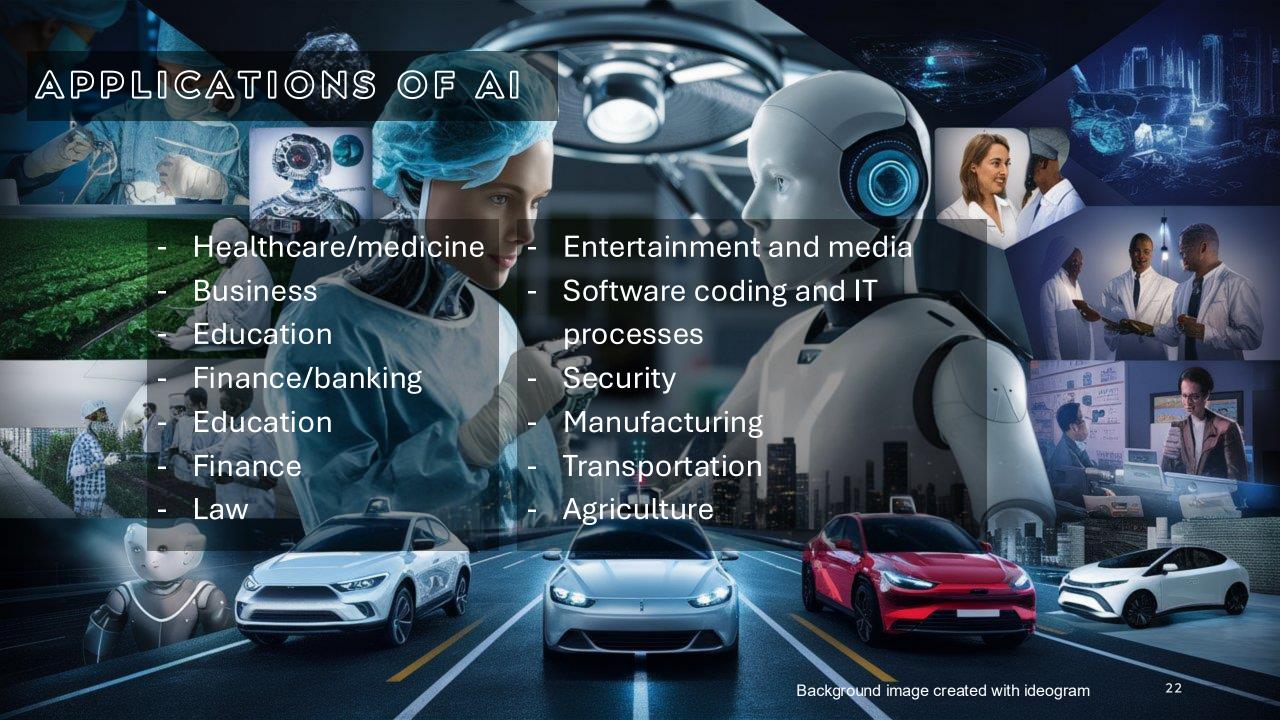




## DEEP FAKE



## examples of ai technology Automation Machine learning Machine vision Natural Language Processing (NLP) Robotics - Self-driving cars - Text, image and audio generation 21 Background image created with ideogram

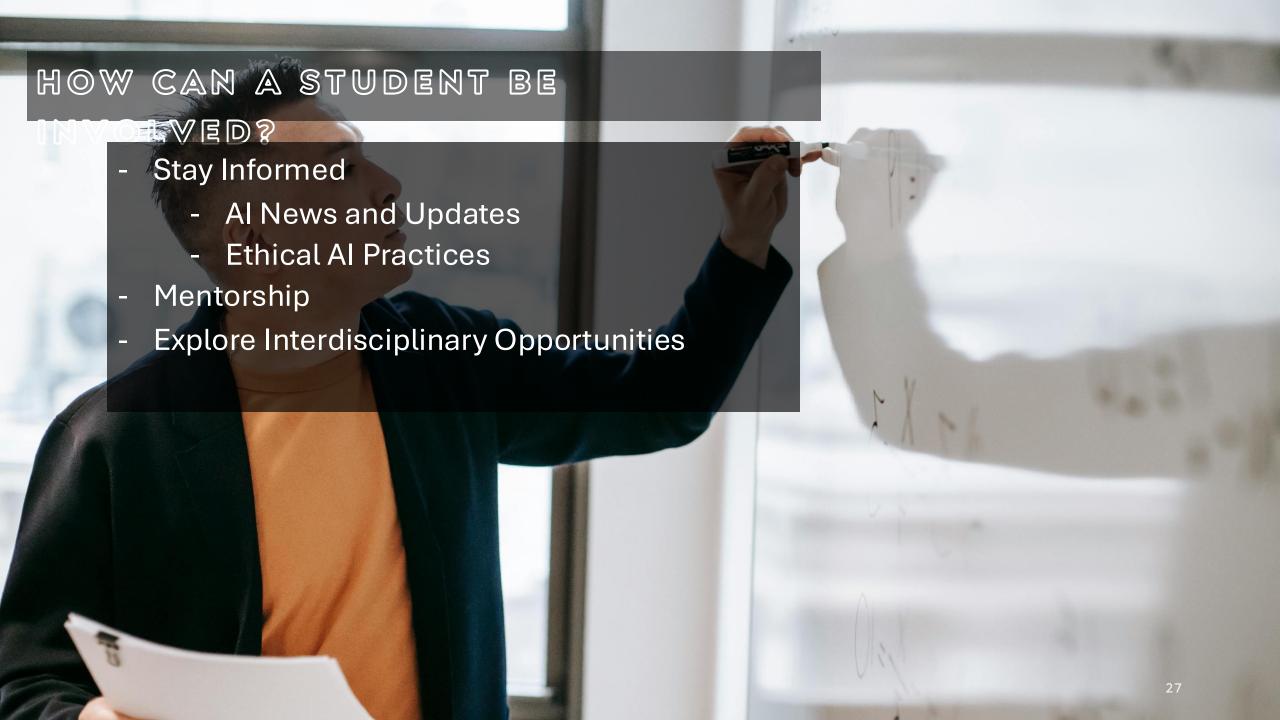












### HOW CAN I CREATE AN AI MODEL?

- Data Collection and Preparation
  - Python, Pandas, NumPy, Beautiful Soup, Scrapy
- Choose a Machine Learning Algorithm
  - Scikit-learn, TensorFlow, Keras
- Preprocessing and Feature Engineering
  - Scikit-learn, Feature-engine
- Model Training
  - TensorFlow, Keras, Scikit-learn

- Model Evaluation:
  - Scikit-learn, TensorBoard
- Iterate and Improve
  - Experiment Tracking Platforms (Mlflow, TensorBoard.dev)
  - AutoML Tools (Auto-Keras, Auto-sklearn, H2O.ai)
- Deployment
  - TensorFlow Serving, Docker, Flask or Django

