

What is Artificial Intelligence?

Artificial Intelligence (AI) – Technology that simulates human intelligence

Examples: Learning, problem solving, communicating in natural language

Algorithm – An ordered process or set of rules followed to solve a problem or complete a task

Examples: Following a recipe, finding a book in the library

Machine Learning – Branch of computer science and AI that uses data and algorithms to find patterns and generalize without following explicit instructions

Examples: Facial recognition, social media recommendations

Generative AI – Creates new content: images, text, audio, music, video

Examples: DALL-E, Midjourney, ChatGPT

Predictive AI – Analyzes patterns in existing data then makes forecasts

Examples: Credit card fraud detection, self-driving vehicles

Prompt – Instruction or question given to AI that tells it what task to do, the more detailed the better

Example: “Create a travel itinerary for a week-long adventure in the Amazon rainforest”

AI Hallucination – Response contains inaccurate or false information

Example: Add glue to pizza sauce to keep the cheese from sliding off

Large Language Model (LLM) – AI that understands and generates natural human language text

Examples: Google Gemini, Microsoft Copilot

Stable Diffusion

AutoDraw.com

Copilot.Microsoft.com

DeepAI.org

DeepDreamGenerator.com