

Definitions and Acronyms for How to Create Content with Generative AI Class

Link:

<https://www.udemy.com/course/how-to-use-chatgpt-and-generative-ai-to-help-create-content/?referrerCode=808CF2B41227194920C4>

LLM (Large Language Model) - A type of artificial intelligence (AI) algorithm that uses deep learning techniques and massively large data sets to understand, summarize, generate and predict new content.

AI (Artificial Intelligence) - The ability of a machine or computer program to learn and think

GenAI (Generative AI) - A type of artificial intelligence (AI) that can create new content.

Neural Network - A method in artificial intelligence that teaches computers to process data in a way that is inspired by the human brain

Training - Teaches AI systems to interpret, perceive, and learn from data

AI Model - A program that analyzes datasets to find patterns and make predictions

GAN (Generative Adversarial Network) - GANs are generative models: they create new data instances that resemble your training data

Transformers Model - A transformer model is a neural network that learns context and thus meaning by tracking relationships

Machine Learning - A branch of artificial intelligence (AI) that allows computers to learn from data and improve without being explicitly programmed.

Computer Vision - A field of artificial intelligence (AI) that uses digital systems to interpret visual data.

Deep Learning - a machine learning technique that teaches computers to process data in a way that mimics the human brain.

Robotics - A branch of engineering and computer science that involves the design, construction, and operation of robots.

Priming - A strategy that introduces a new topic to students in a way that facilitates their academic learning because they know what they can expect

Prompt Engineering - The process where you guide generative artificial intelligence (generative AI) solutions to generate desired outputs

AI Agent - Autonomous entities that act upon an environment using sensors and actuators to achieve their goals

Multimodal LLM - A new AI paradigm, in which various data types (image, text, speech, numerical data) are combined with multiple intelligence processing algorithms to achieve higher performances

Model Weights - the learned traits that determine the strength of a connection (or signal) between any two of the neurons that make up the content of the network

Machine Learning Pipeline - The end-to-end construct that orchestrates the flow of data into, and output from, a machine learning model (or set of multiple models).

API (Application Programmable Interface) - A set of defined rules that enable different applications to communicate with each other.

Inference - The process of running live data through a trained AI model to make a prediction or solve a task

Artificial General Intelligence (AGI) - An artificial general intelligence is a hypothetical type of intelligent agent that can learn and work on general tasks that belong to human beings

AI Tokens - Tokens are the basic units of text or code that an LLM AI uses to process and generate language

Contextual AI - A type of artificial intelligence that interprets the context of a situation or query