

GLOSSARY

AI Hallucinations	These are undesirable actions of a large language model where it generates information that is false, nonsensical, or unrelated to the query. For example, when asked for a bibliography, AI can recommend articles or books that don't exist.
Algorithm	A precise, finite sequence of clearly defined activities necessary to perform a specific task or solve a given problem.
Bias	The undesirable action of a generative AI system involving the generation of biased or discriminatory content (e.g., politically, racially, or ideologically charged). Bias is most often caused by poorly prepared training data that does not contain the full diversity of examples of all groups or phenomena.
Deepfake	A fake but realistic-looking image, video, or audio recording generated using artificial intelligence.
Generative AI	A type of artificial intelligence that focuses on generating output in a form understandable to humans. Based on patterns captured in training data, systems of this type can create new entities.
Large Language Model (LLM)	A deep neural network trained to generate natural continuations of utterances, trained on huge text datasets. By using supervised machine learning and reinforcement learning methods, LLMs have been adapted to tasks such as answering questions, conducting dialogue, creating prose, and generating programming code.
Machine Learning	A programming method that allows computer systems to learn from provided data. We say that an information system learns if its performance on a task improves as it processes more training data.
Prompt	A user instruction directed to a large language model to obtain the desired information.
Training Data	A dataset used to train artificial intelligence and machine learning models. Models analyze this data to recognize patterns, make decisions, or predict outcomes in new situations.