

30 KEY AI TERMS

Everyone Should Know, even if
you're not using it yet!

AI AGENT

An AI system that can take actions, make decisions, and work independently to complete tasks.



API (APPLICATION PROGRAMMING INTERFACE)

A way for apps to interact with AI tools
and services.





ALGORITHM

A step-by-step set of instructions a computer follows to solve a task or make a decision.



ARTIFICIAL INTELLIGENCE (AI)

Computers doing tasks that normally require human intelligence, like learning, reasoning, or decision-making.



BIAS

Unfair outcomes in AI caused by problems in the training data or algorithms.





CHATBOT

An AI program designed to simulate conversation, often used in customer service.



CONVERSATION AL AI

AI systems designed specifically to hold human-like conversations.



DEEP LEARNING

A type of machine learning using neural networks with many layers to analyse data.



EMBEDDINGS

Numeric representations of data (like words or images) that help AI understand meaning and relationships.





ETHICS IN AI

Ensuring AI is used responsibly, fairly,
and without harm.



FINE-TUNING

Adjusting a pre-trained AI model for a specific task or industry.





GENERATIVE AI

AI that creates new content, like text, images, or music, based on training data.



HALLUCINATION

When AI gives a convincing but completely incorrect or made-up answer.



LARGE LANGUAGE MODEL (LLM)

An AI trained on vast amounts of text data to understand and generate language, like ChatGPT.



MACHINE LEARNING (ML)

A type of AI where computers learn from data and improve over time without being directly programmed.



MODEL

A program trained to recognise patterns in data and make predictions or generate content.





MULTIMODAL AI


AI that can process and generate more than one type of data — like text, images, and audio together.



NATURAL LANGUAGE PROCESSING (NLP)

A field of AI that helps machines understand and respond to human language.





NEURAL NETWORK

A system in AI inspired by the human brain that helps with learning complex data patterns.



OUTPUT

The result or response the AI gives you based on your input.



PROMPT

The instruction or question you give to an AI tool to get a response.



PROMPT ENGINEERING

Crafting inputs in a specific way to get the best output from an AI system.



REINFORCEMENT LEARNING

A training method where AI learns by trial and error, receiving rewards or penalties.



SUPERVISED LEARNING

Training an AI model using labelled data where the correct answers are known.



SYNTHETIC DATA

Artificially generated data used to train or test AI models.



TOKEN

A piece of text, such as part of a word, used in language models for processing.





TRAINING DATA

The examples used to teach an AI model how to perform tasks accurately.





TRANSFORMER

A model architecture that powers most modern language AIs, allowing them to handle context and meaning.



UNSUPERVISED LEARNING

Training AI on unlabelled data to find hidden patterns.



ZERO-SHOT LEARNING

When an AI completes a task it hasn't been directly trained for, based on its general knowledge.





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