- **Generative AI** - AI systems that can generate new content like text, images, etc.
- **Large language models** - AI models trained on massive amounts of text data to understand and generate natural language.
- **GPT-3** - An example of a large language model created by OpenAI.
- **Neural networks** - Computing systems modeled on the human brain used in deep learning.
- **Machine learning** - The use of algorithms and neural networks that learn from data.
- **Natural language processing (NLP)** - The ability of AI systems to understand, interpret and generate human language.
- **Training data -** The data used to train machine learning models.
- **Classification** - A machine learning technique to categorize data into different classes.
- **Multi-label classification** - Classifying data into multiple categories simultaneously.
- **Named entity recognition** - Identifying key entities like people, places, organizations, etc. in text.

- **Tokenizer** - The process of splitting text into smaller chunks or "tokens" and assigning each one a number.
- **Encoding** - Converting the text tokens into numeric representations.
- **Probability machine** - How LLMs work by predicting the probability of the next token based on the previous ones.
- **Fine-tuning** - Further training a pretrained LLM on more specific data to adapt it to a particular task.
- **Prompt engineering** - Crafting the input text carefully to get better results from an LLM.
- **Retrieval augmentation** - Combining search/retrieval with an LLM to improve results.
- **Risk mitigation** - Strategies like prompt engineering and fine-tuning to reduce risks of using LLMs.
- **Foundation model** - A large pretrained deep learning model that can be adapted to other tasks.
- **Repurposing** - Using a foundation model for a task different than its original purpose.
- **Code assistant** - An example application built by fine-tuning a foundation model for coding.

- **OpenAI** - The company that created ChatGPT and other large language models.
- **ChatGPT** - One of the first and most well-known generative AI systems created by OpenAI.
- **Azure OpenAI Service** - Allows using OpenAI models like GPT-3 on the Microsoft Azure cloud.
- **Hugging Face** - A platform for sharing and using open source AI models.
- **Model repository** - Hugging Face hosts models like a repository where they can be downloaded.
- **Inference API** - Using a trained model to generate predictions/outputs from new data.
- **Local model** - Running an AI model like GPT-3 directly on your own computer.
- **LAMA-file** - A project from Mozilla to easily run models locally.
- **Cloud deployment** - Making a model available as a service in the cloud.

- **Interactive API** - Calling the cloud service API to get outputs from the deployed model.
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