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1 GenAl: Generative AI, the category of AI to generates new content like Text, Image, Video etc.

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- 1 Self-Supervised Learning: Self-supervised learning is a type of machine learning where the system learns from data that it labels and organizes itself, without needing human intervention.
- 2 Language Model: Language Model is an AI model that can predict the next word (or set of words) for a given sequence of words.
- **3 LLM:** Large Language Model, an evolved version of language model which is trained on huge volume of data.
- **4 Transformers:** A powerful neural network architecture which is powering GenAI tools like ChatGPT.
- **5 BERT & GPT:** Text based LLM built by google & OpenAl respectively.
- **DALL-E & Stable Diffusion:** Image based LLM built by OpenAI and stability AI.
- **7 SORA:** Video based LLM built by OpenAl.

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What is LLM? Analogy Based Simple Explanation

- **1 RLHF:** Reinforced Learning with Human Feedback. Technique used to provide human feedback to large language models.
- 2 LLM: Large Language Models.

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- **1 NLP:** Natural Language Processing is a field in computer science that gives machines the ability to understand human language better and to assist in language-related tasks.
- 2 RegEx: Regular Expression is a non-ML technique used in NLP to extract information based on text patterns.

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Embeddings and Vector Database

VectorDB: Vector Database is a key component of Al which provides stores huge amount of data efficiently. It also provides faster and accurate results to user queries. O7 codebasics.io



1 RAG: Retrieval Augmented Generation, the framework which helps a LLM to fetch additional data from the other sources which are not already used to train the model.

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1 LangChain: A python library that helps you to switch between LLM models seamlessly.