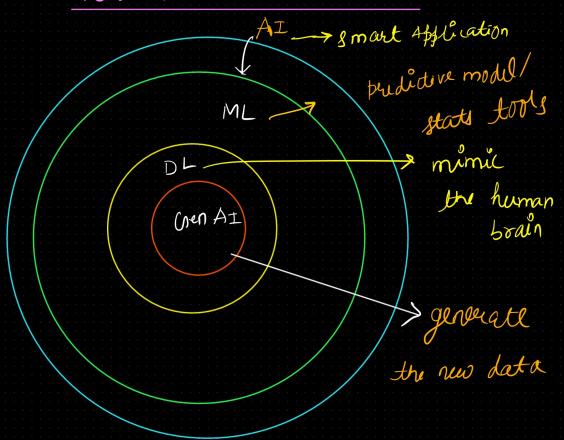
Generative AI (Gen AI)



ML is a subset of AL DL is a subset of ML Gen AI is a subset of DL

Generative AI

Content.

- Imagy
- Vidus
- Text
- Music
- Data

I hen AI Model learn patterns and structures from training/existing data and use this knowledge to generate new, synthetic data that resembles the original data.

type of onen AI Model

- (1) CAN Coenerative Adversial Network
- (2) RNN -> Sequential dota-> test, speech
- (3) Variational AutoEncoders

-> learn to compress and seconstruct

Applications of Generative AI:

- -> 1. Data augmentation: Generate new training data to improve model performance.
- 2. Content creation: Generate new images, videos, music, or text.



- 3. Data imputation: Fill missing values in datasets.
- 4. Anomaly detection: Identify unusual patterns in data.

Benefits of Generative AI:



- 1. Increased efficiency: Automate content creation and data processing.
- 2. Improved accuracy: Enhance model performance with generated training data.
- 3. New possibilities: Explore new creative possibilities in art, music, and more.