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- ML is a subset of Al.
- 2 Deep Learning is a subset of ML which came as an advancement to regular ML which is otherwise known as statistical ML.
- 3 Deep Learning is used when the pattern recognition is complex and when the data volume is huge.

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Credits Scoring to ChatGPT: Overview of Neural Network Architectures

- 1 Feed Forward Neural Network (FNN) is used in applications like weather prediction, loan approval decision making etc where a decision is made on a set of inputs.
- 2 Recurrent Neural Network (RNN) is used in applications like google translator, Alexa where the output is not made in a linear way, it goes through a cycle of internal feedback loop.
- 3 Convolutional Neural Network (CNN) is widely used in image-related tasks such as facial recognition. It works by breaking down the task into smaller pieces and combines the individual results to derive a final decision.
- 4 Transformers are the base for generative AI models like ChatGPT.

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- 1 PyTorch is the library that is generally used in building machine learning projects involving deep learning techniques.
- 2 PyTorch is built by Meta.
- 3 TensorFlow is another popular library built by Google.
- 4 Deeplearning techniques require a lot of computing power and needs GPU.
- 5 NVIDIA shifted their strategy of building GPUs for gaming purposes to building GPUs for AI applications.