DEEP LEARNING TYPES AND INTRODUCTION

**Q1. Difference Between ML and DL**

**Q2. How is the need for Deep Learning Evolved**

**Q3. Deep Learning Characteristics**

**Q4. Used Cases like ANN, CNN, RNN, GNN**

There are many types of deep learning available

Deep learning also called neural network

**ANN (Artificial Neural Networks)**

In the Artificial Neural Networks (ANN) category of the neural network, some used cases can be used as

* Tabular Data
* Fraud Detection
* Price Optimization
* Many more

**CNN (Convolutional Neural Networks)**

In the Convolutional Neural Network, there are some used cases can be seen

* Deals with Images
* Deals with object detection
* Stable Diffusion
* Facial Recognition
* Road Traffic Violation

**RNN (Recurrent Neural Network)**

In the Recurrent Neural Network, there are some used cases which are given below

* Deals with Sequential Data like Text (Running Text which can be coming from books, documents, emails, or Facebook group text)
* Videos in Sequential Nature
* Speeches in Sequential Nature
* Trading in Sequential Nature

These things help to use in

* Speech Recognition
* Translate Languages
* Forecast Prices
* Language Modelling

**GNN (Graph Neural Networks)**

In the Graph Neural Network, there are some used cases which are given below