**- Forest Fire Detection -**

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**What is Deep Learning?**

* In Deep Learning, we mimic neural network of human brain ( or human behaviour ). It is a category or sub type of machine learning.

**What is Neural Network and its types.**

* In Deep learning, neural networks are mimicry of how neural networks in human brain work.
* Types of Neural network are,

ANN ( Artificial Neural Network ) - For processing data.

RNN ( Recurrent Neural Network ) - To understand language, emotions or sentiments ( compared to human brain ).

CNN ( Convolutional Neural Network ) - Vision and studying images.

**What is CNN in simple words.**

* It mimics vision perceived by human brain.

**Short notes about pipeline.**

* Following are the steps in project pipeline:
* First, we will collect data ( from kaggle ) where we’ll browse datasets according to our project ( forest fire detection )
* For data loading, we will load the files in google colab.
* Next we will do image processing/ augmentation. For our project we will classify ( fire ) and ( no fire ) images that are same in size and dimension.
* Then we will build CNN using various libraries like Tensorflow or Keras.
* Next we will test the model by feeding the test data, later we will evaluate it.