**Problem Statement:**

Develop a CNN-based model capable of detecting and classifying plant diseases from images of leaves of various crops such as apple, cherry, grape and corn. The model should accurately identify both healthy and diseased leaves while predicting the specific type of disease. This system will aid in precision agriculture by enabling early diagnosis and improving crop management practices.

**Pipeline:**

Steps:

1. Data Collection and Data Loading.
2. Folder structure: Dataset

Train

* Category 1
* Catrgory 2

Test

* Category 1
* Catrgory 2

Valid

* Category 1
* Catrgory 2

1. Zip Upload on Google Drive mount drive on Google Colab

Python Code

Unzip Dataset

1. Image Processing and Image Augmentation
2. CNN Model (Convolution Neural Network):

* It helps to processing the images, it analyses the pixels of the image.

1. Test / evaluate