PLANT DISEASE DETECTION SYSTEM

PROBLEM STATEMENT

We, humans, have a Nervous System through which we can easily identify things by just looking at them, but think how a machine/robot will do that?

PROCESS FLOW

CNN Model

PROCESS FLOW

OUR SOLUTION

This could be possible with the help of Deep learning. Through deep learning, we can easily provide this ability to a machine by extracting features from the provided images using the Convolutional Neural Network (CNN) Model.

Diseased Plant   Healthy Plant

TECHNOLOGY STACK

- Python
- Deep Learning
- Libraries: - Numpy, Keras
- Tool(IDE):- Google Colab
- Dataset :- Kaggle

INTRODUCTION

Basically, the project deals with the identification of disease in plants/crops in the early stages, so as to prevent the spread of the disease at extreme levels. As an introduction to the project, we will be providing a leaf image as an input and using Machine Learning will be training the dataset.