CSE MINI PROJECT

Group 10

Plant Disease Identification

Problem

Plant diseases jeopardize global agricultural productivity and food security. Swift detection and accurate identification are pivotal for effective management and reducing crop losses. Leveraging technologies such as deep learning enhances disease detection capabilities. Empowering farmers with timely insights aids in implementing proactive measures. Ensuring sustainable agriculture and food security necessitates vigilant monitoring and rapid response to plant health threats.

Technology Used

- Deep Learning using Tensor Flow
- Google Cloud
- Flutter

Implementation

Implementation involves dataset collection, deep learning model training for disease detection, and deployment for user-friendly access, aiding in timely disease management and sustainable agriculture.

Solution

We propose to develop a deep learning-based solution leveraging convolutional neural networks (CNNs) to accurately classify and diagnose plant diseases from images of leaves or other relevant plant parts.

Guide

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