

Plant Disease Identification

How we built:

It solves the problems that are currently going on in the Agricultural sector, some farmers have more experience to find the diseases that occur on the plants, but today more number of youngsters are going to the Agricultural fields, so they have no experience and are new to this condition, whenever the disease attacks the plants, they don't recognize which kind of attack it is, how to solve? so many questions are facing by these new persons in this field. Finally, we solve this problem, by making a Mobile app that works with machine learning based on the TensorFlow model. It shows the disease of the plant, by simply taking the picture of the plant.

Challenges I ran into

Our challenge is, Overfitting and Validation Accuracy, first we train the model using very less datasets, so it leads to the Overfitting, then we solve this issue by making a large dataset collected from Kaggle. Another problem is Validation Accuracy, because of the model we trained, to solve we use the CNN and increase the epochs.

Made With

Tensor Flow, TensorFlow Lite, Android

GitHub

<https://github.com/hemakumarm72/Plant-Disease-identity>

Team Mate

Akash M

Hemakumar M

Kirankumar

