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Cotton disease prediction

Our Team Members

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Hello,
We are G-95

We will present the group project that we will work on as our major project. In this project , we will predict a diseases on cotton plant.

Introduction

Cotton is also called “White Gold” and “The King of Fibers.” For growers, processors, exporters, and producing countries, cotton is the earnest point of supply. This work presents cotton plant disease detection using image processing technique for automated vision system used at agricultural field. In agriculture research of automatic plant disease detection is essential one in monitoring large fields of crops and thus automatically detects symptoms of disease as soon as they appear on plant leaves. It is very difficult for a farmer to identified various disease in plants. The estimated annual crop losses due to plant disease at the worldwide is $60 Billions. The traditional tools and techniques are not very useful since it takes lots of time and manual work.

Goals of This Project

Predict the occurrence of pests and diseases for cotton

Detect diseases at early stage

To save from physiological abnormality

Why we need it?

Detection of plant diseases in early stage would facilitate farmers to boost the crop yield, that successfully improves country's gross domestic product

Future analysis can embrace an evaluation of the capability of the algorithm rule to diagnose the cause of the lesion (what pest or disease)

It is going to be enforced with the utilization of a software which can be utilized throughout actual field visits to facilitate the creation of maps of the extent of infestation by pests and diseases

Related Photos

Future Goals

This area of research appears to have great potential in terms of increased accuracy. It will implemented along with several visualization techniques to detect and classify the symptoms of plant diseases. It will provides a comprehensive explanation of DL models used to visualize various plant diseases. In addition, some research gaps will identify from which to obtain greater transparency for detecting diseases in plants, even before their symptoms appear clearly

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Thank you!

Do you have any questions for us?