





Agenda

Introduction

Gantt Chart

Deep Learning Using Resnet50

Website

Future Goal



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



Gantt Chart

Work Flow Chart

Work Flow

Project Design	September	October	November	December	January	February	March
Goal Identification							
Project Approval							
Get Dataset For project							
Frontend Development							
Backend Development							
Testing							
Deployment							

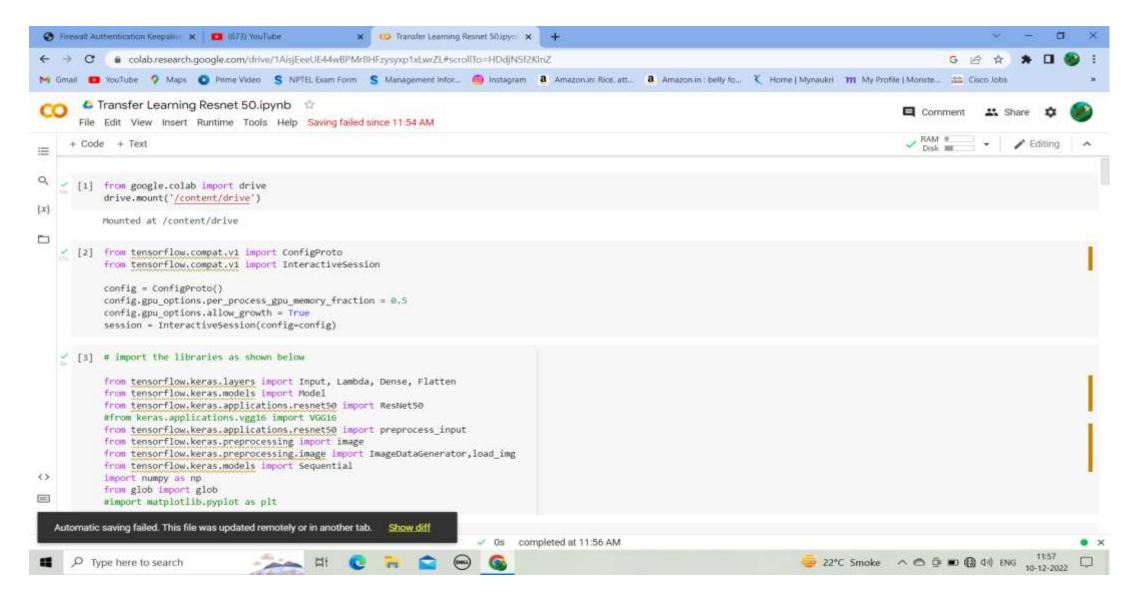


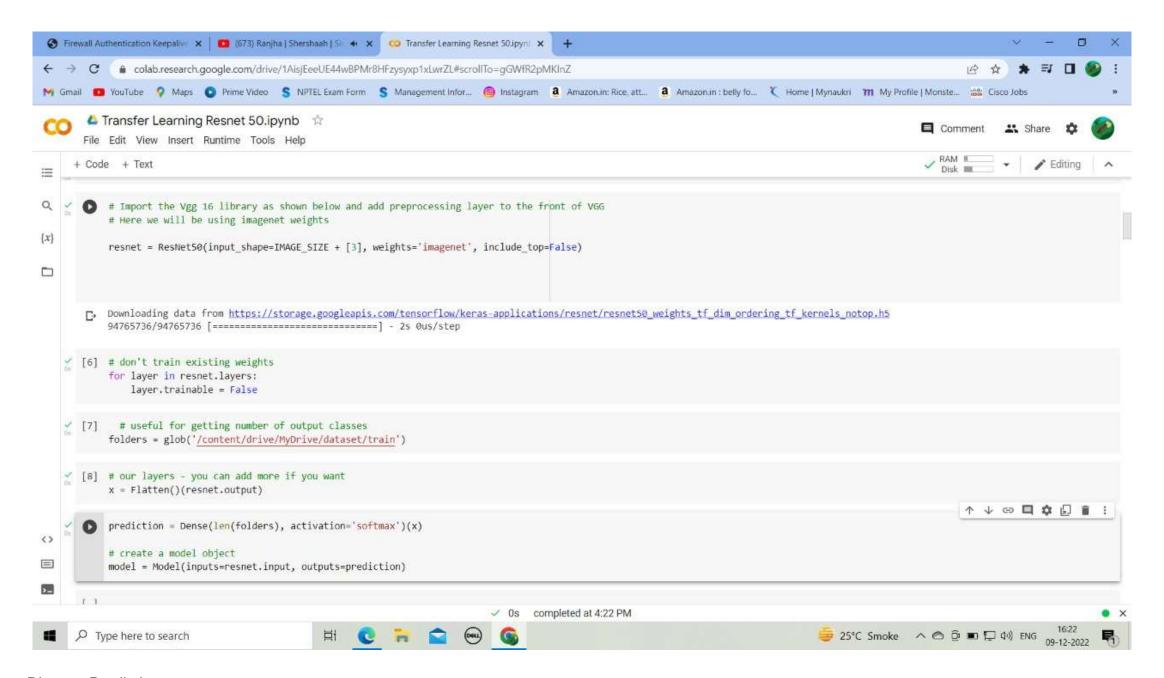
Deep Learning Using Resnet50

Backend Work

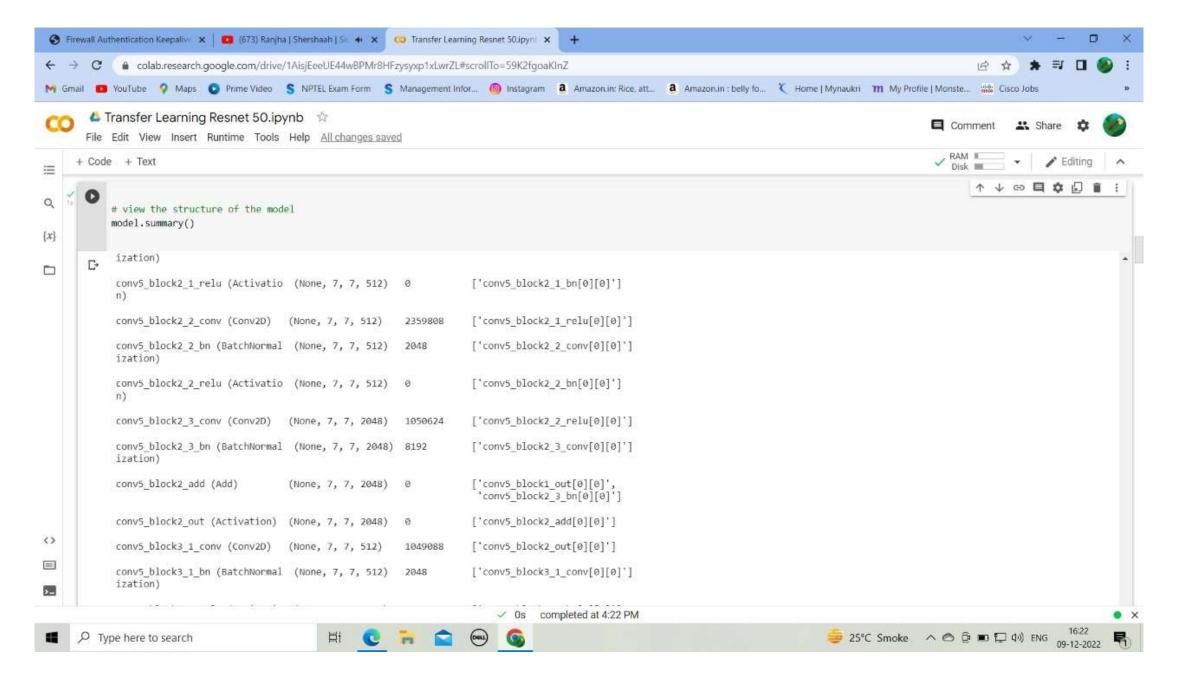


Work Flow

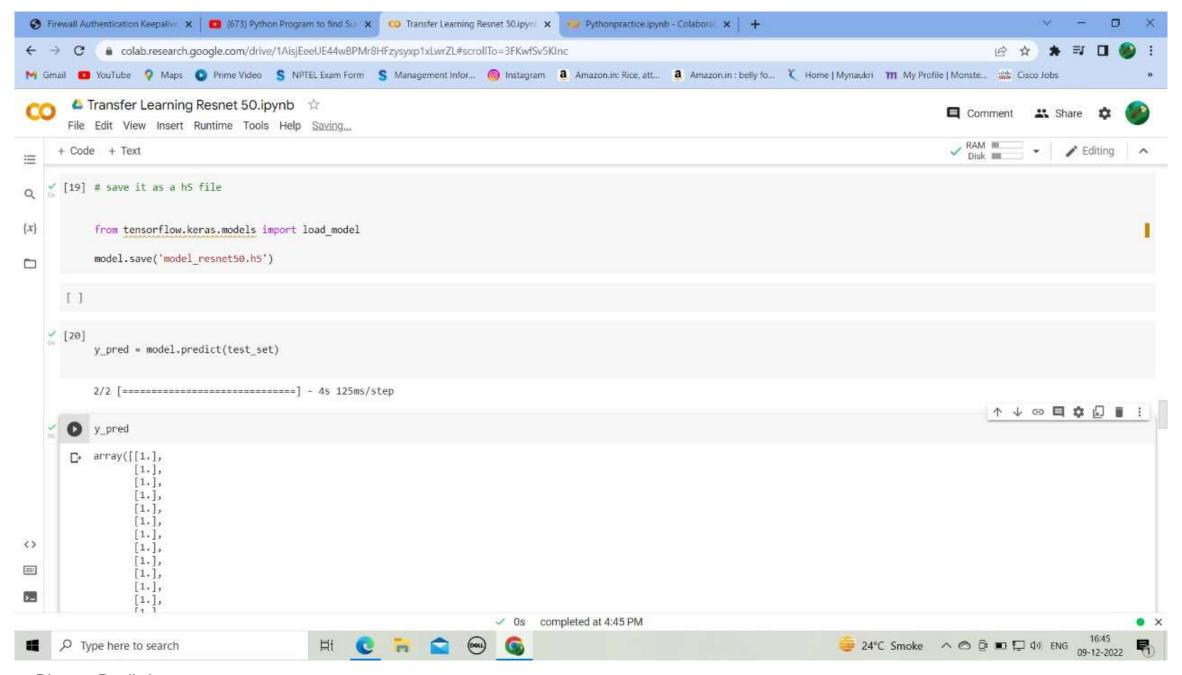


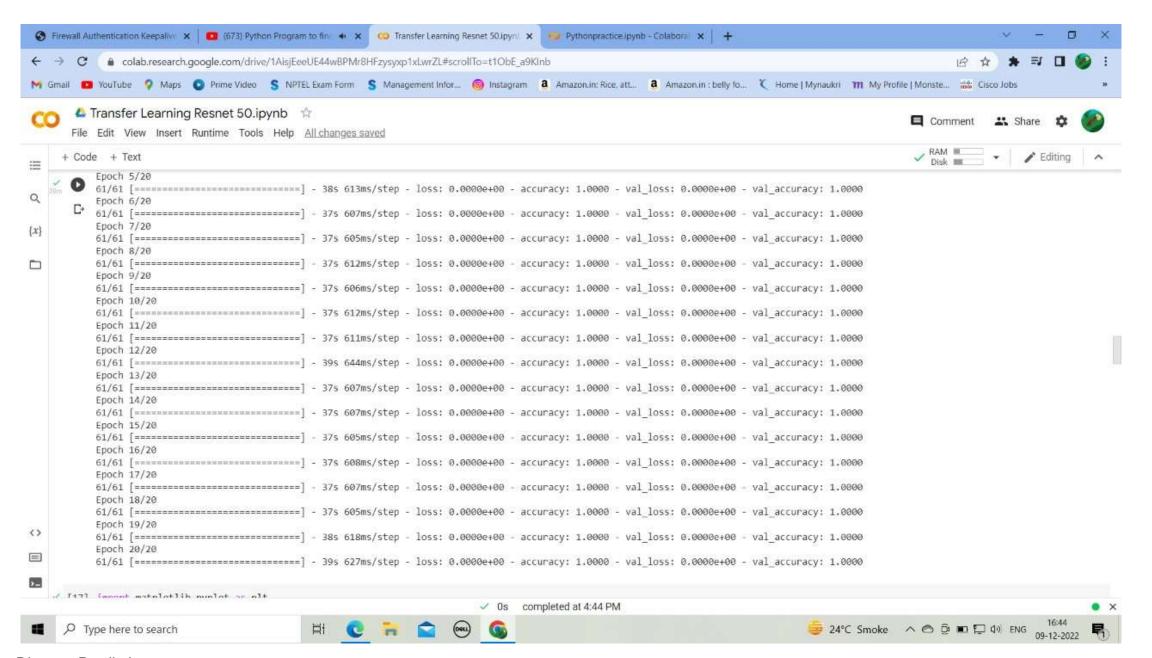


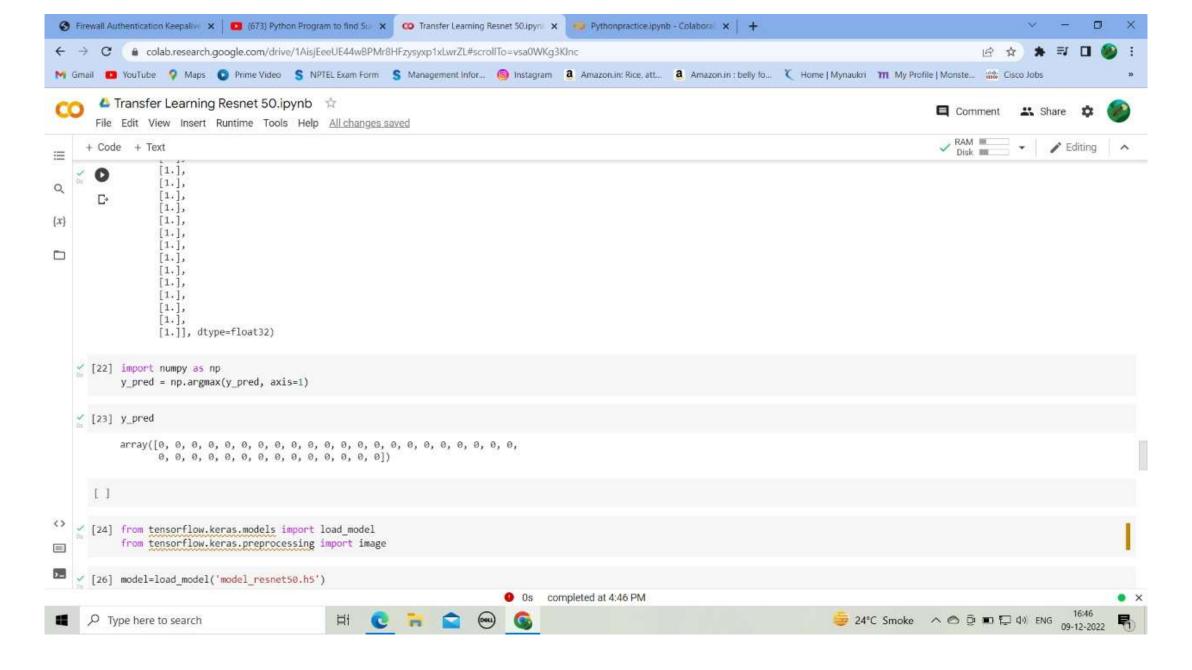
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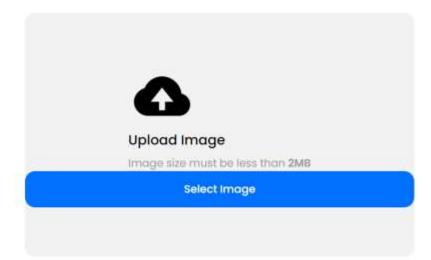
Website

First Page



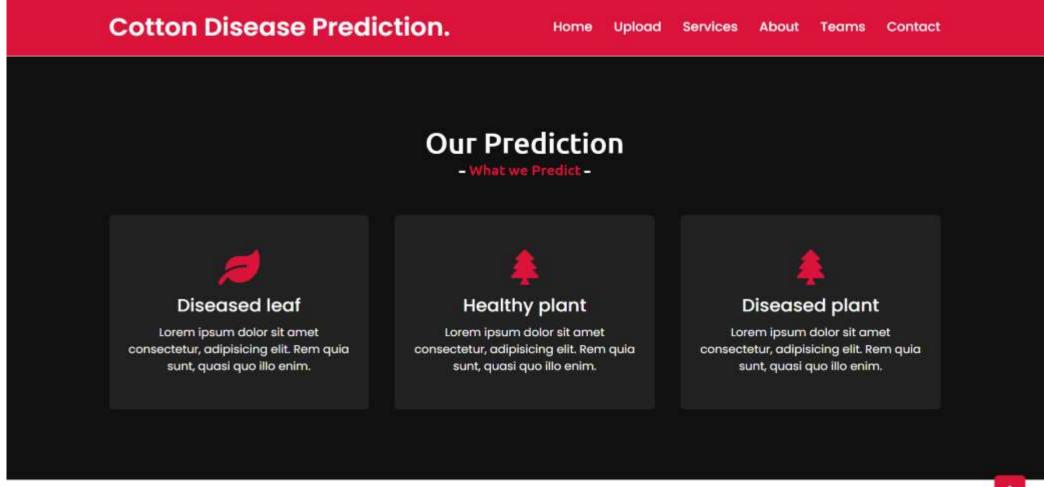
Upload Page

Cotton Disease Prediction. Home Upload Services About Teams Contact





Prediction Page



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About Page

Cotton Disease Prediction.

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About The Project

---- what it is ----

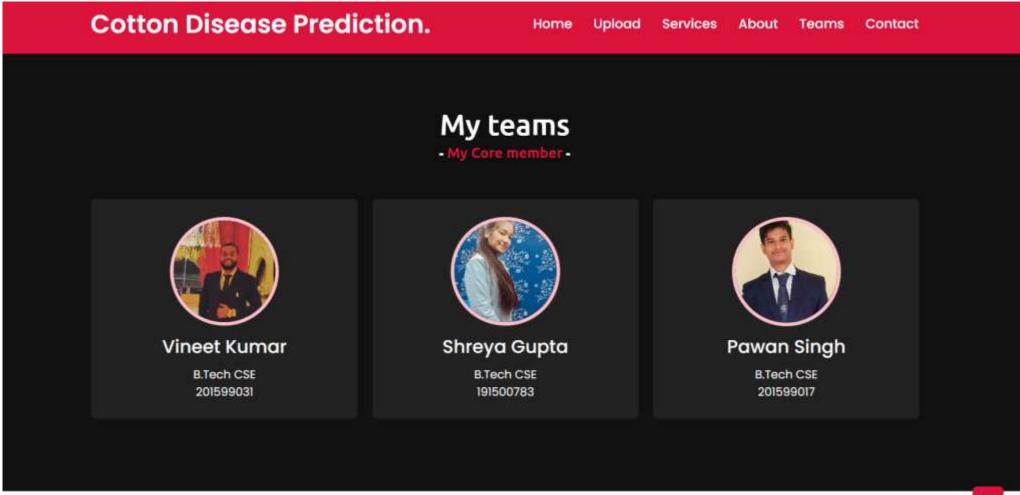


Cotton Disease Prediction

Cotton is one of the economically significant agricultural products in Ethiopia, but it is exposed to different constraints in the leaf area. Mostly, these constraints are identified as diseases and pests that are hard to detect with bare eyes. This study focused to develop a model to boost the detection of cotton leaf disease and pests using the deep learning technique, CNN. To do so, the researchers have used common cotton leaf disease and pests such as bacterial blight, spider mite, and leaf miner. K-fold cross-validation strategy was worn to dataset splitting and boosted generalization of the CNN model. For this research, nearly 2400 specimens (600 images in each class) were accessed for training purposes. This developed model is implemented using python version 3.7.3 and the model is equipped on the deep learning package called Keras, TensorFlow backed, and Jupyter which are used as the developmental environment. This model achieved an accuracy of 96.4% for identifying classes of leaf disease and pests in cotton plants. This revealed the feasibility of its usage in real-time applications and the potential need for ITbased solutions to support traditional or manual disease and pest's identification.



Team Members



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Cotton Disease Prediction.

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If You Feel the Data is Incorrect or want to know more about something Do let Us Know Reach us On the Glven Detials Or U can Directly Message Us...



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Name	Email	
Subject		
Message		
Send message		





Future Goal





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





Thank you





Presented by G-95

Do you have any questions for us'