SHAMBA
DOCTOR
Let's detect crop diseases with an app.

SHAMBA DOCTOR TEAM

GET TO KNOW US!

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Backend Developer

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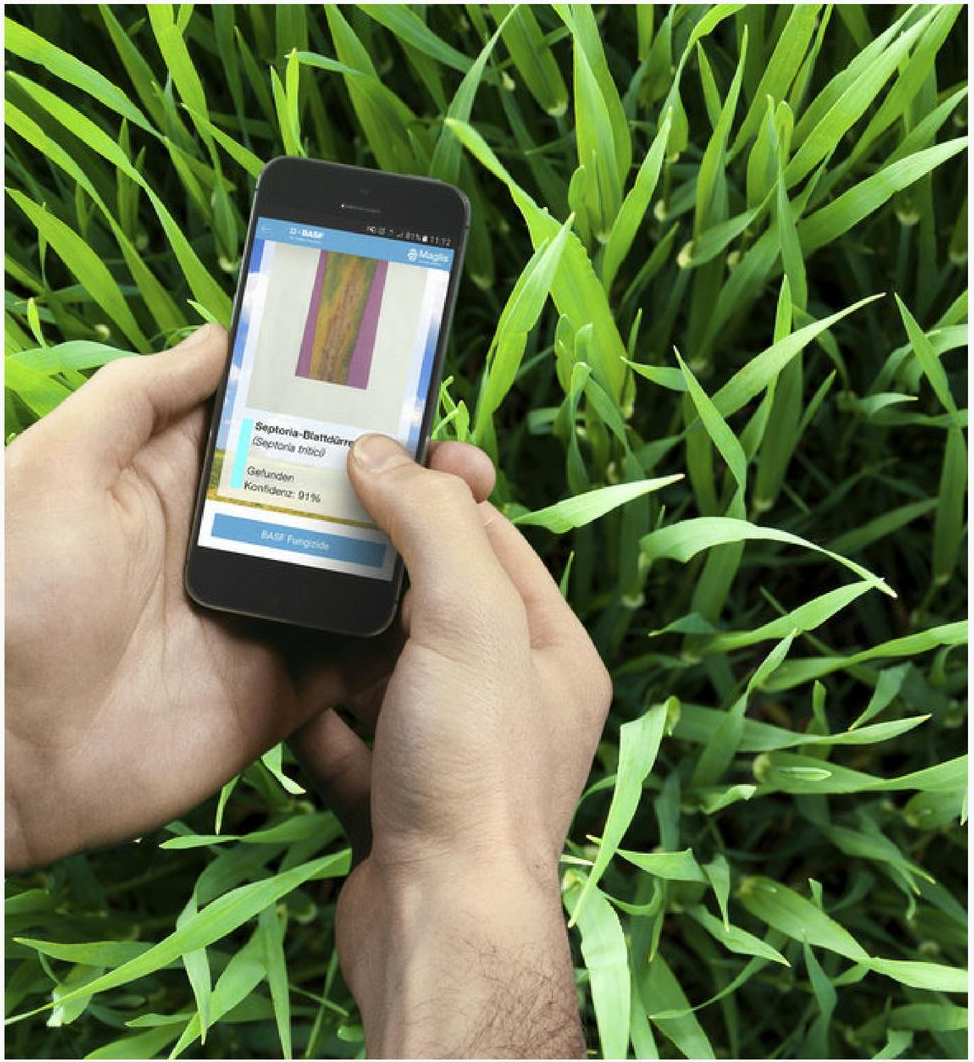
Android Developer

What is Shamba Doctor?

AN APPLICATION THAT USES THE POWER OF AI TO DETECT DISEASES IN PLANTS

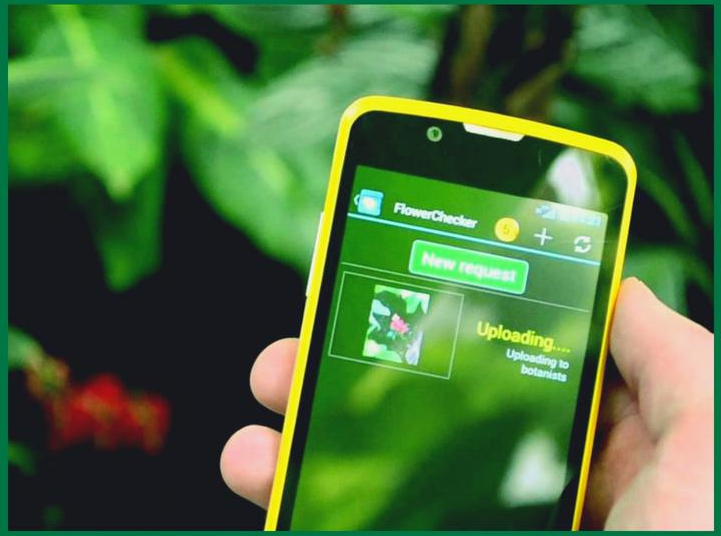


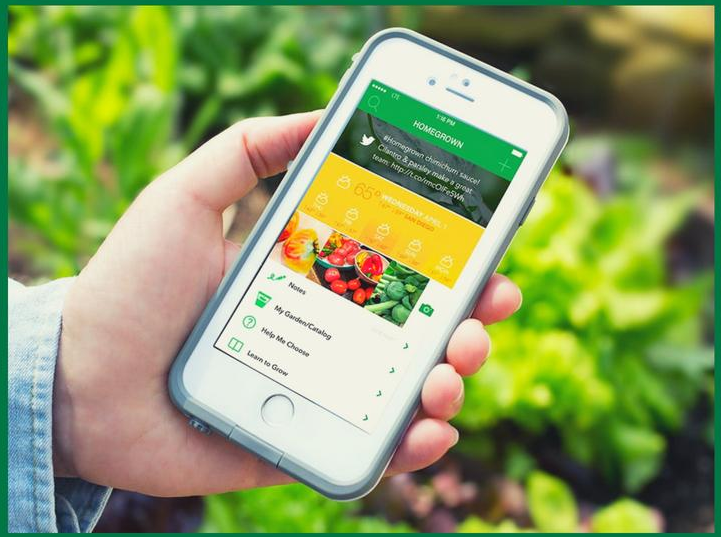
PROBLEM STATEMENT

- It is a menace for farmers to identify diseases affecting their crops by a simple look.
- There's a lack of resources to help farmers know how to deal with diseases affecting their crops.
- Farmers experience great losses in quantity and quality of yields due to this information gap.

OUR PRODUCT

We have built the shamba doctor application that allows users to upload pictures of the ailing plant and immediately get results on what disease the plant is suffering from and how to treat the disease.





PRECISION

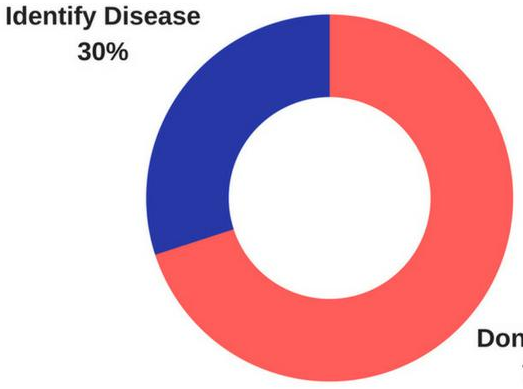
Accuracy of the AI model detection algorithm.

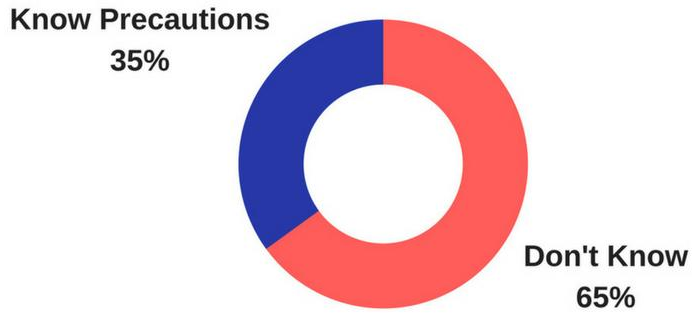
81%

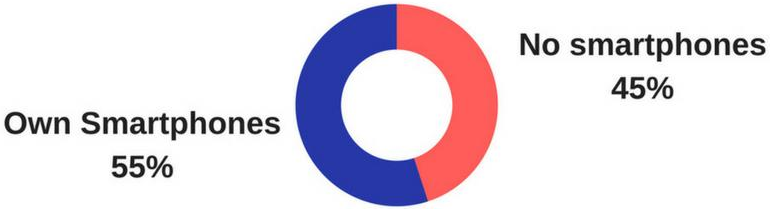
Processing speed of the AI model.

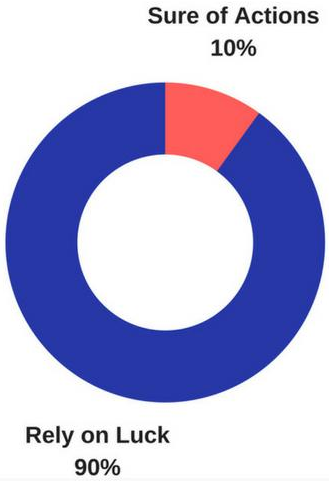
0.7 seconds

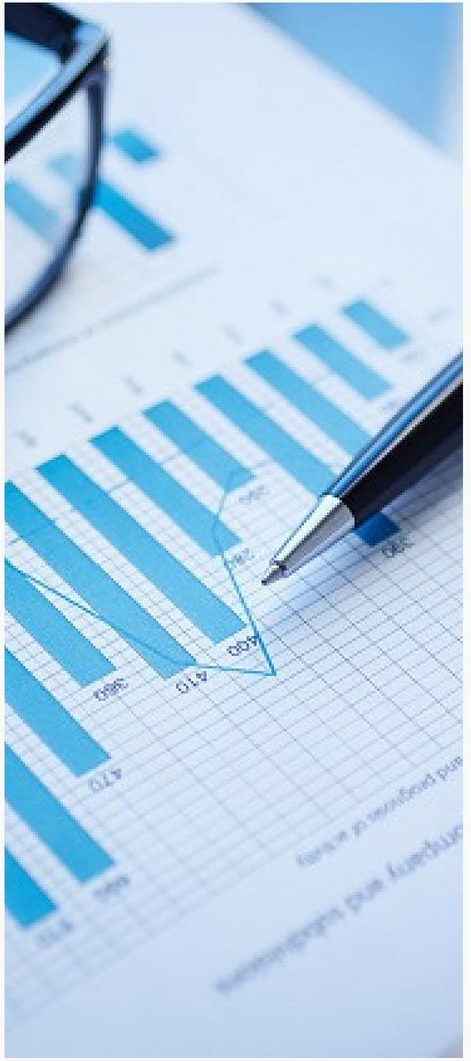
MARKET RESEARCH











HACKING PROCESS

Week 1

- Market Research and Analysis.
- Application features breakdown.
- Role assignment.

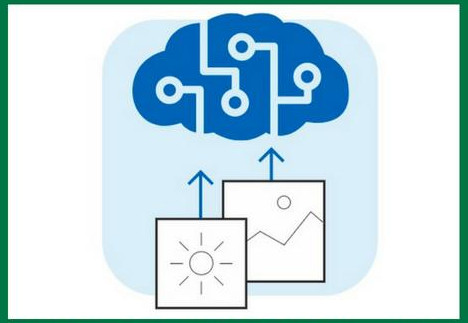
Week 2

- Gathering data concerning crop diseases.
- Training the AI model.
- Authenticating users into the application.
- Developing the UI/UX of the application.

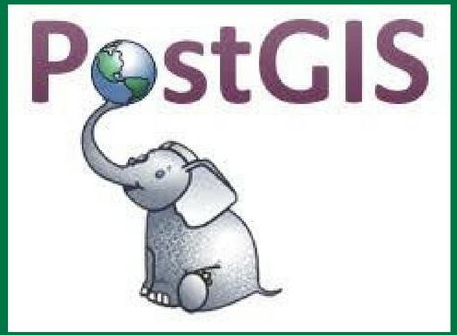
Week 3

- Integrating maps to the application.
- Working on data visualization using charts.
- Extending the application to the android platform.

TECHNOLOGIES USED

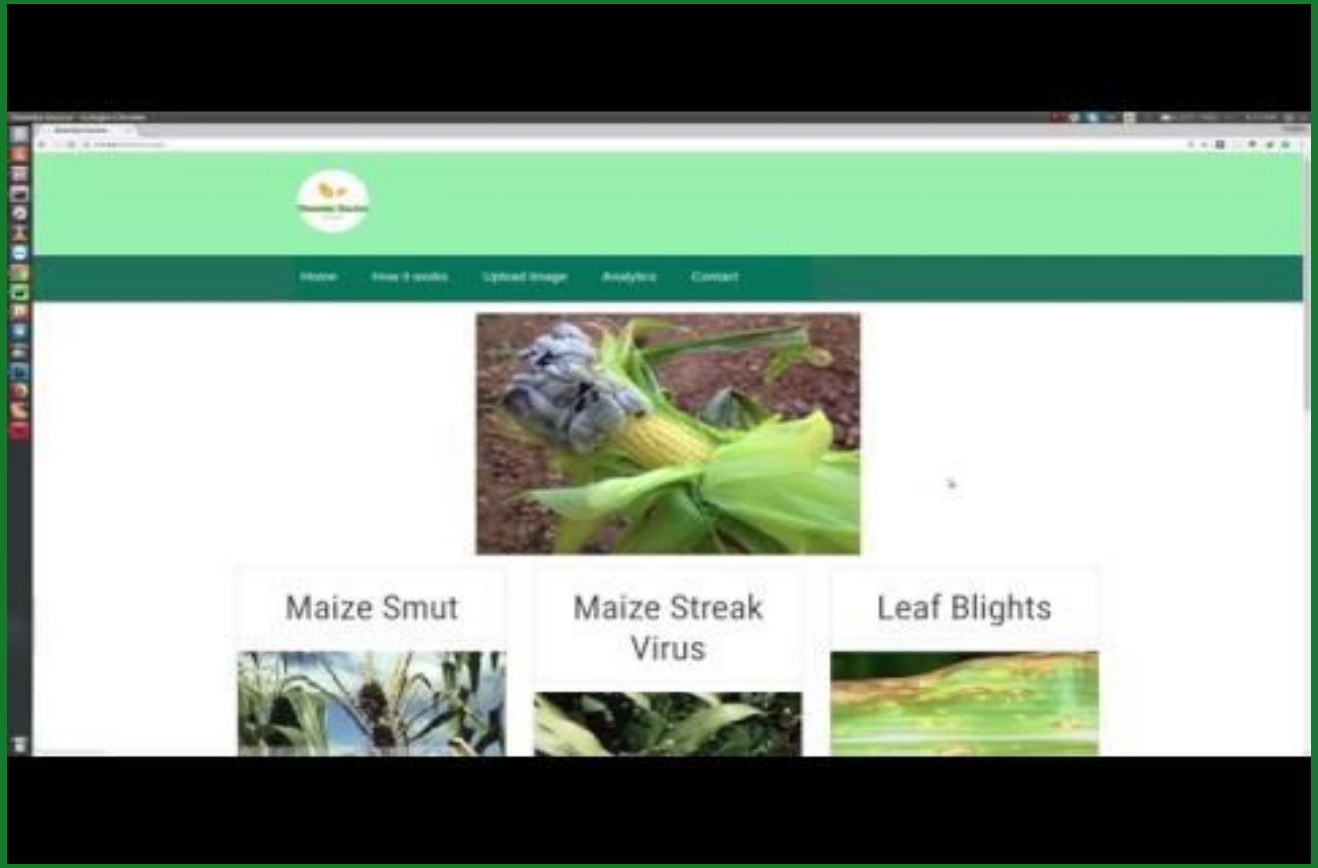


CUSTOM VISION AI



SHAMBA DOCTOR

DEMO



FUTURE IMPLEMENTATIONS

PREMIUM VERSION

IOS APPLICATION.

NOTIFICATIONS

THANK YOU
QUESTIONS AND FEEDBACK?