

PaudhaYodha

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Mission Statement

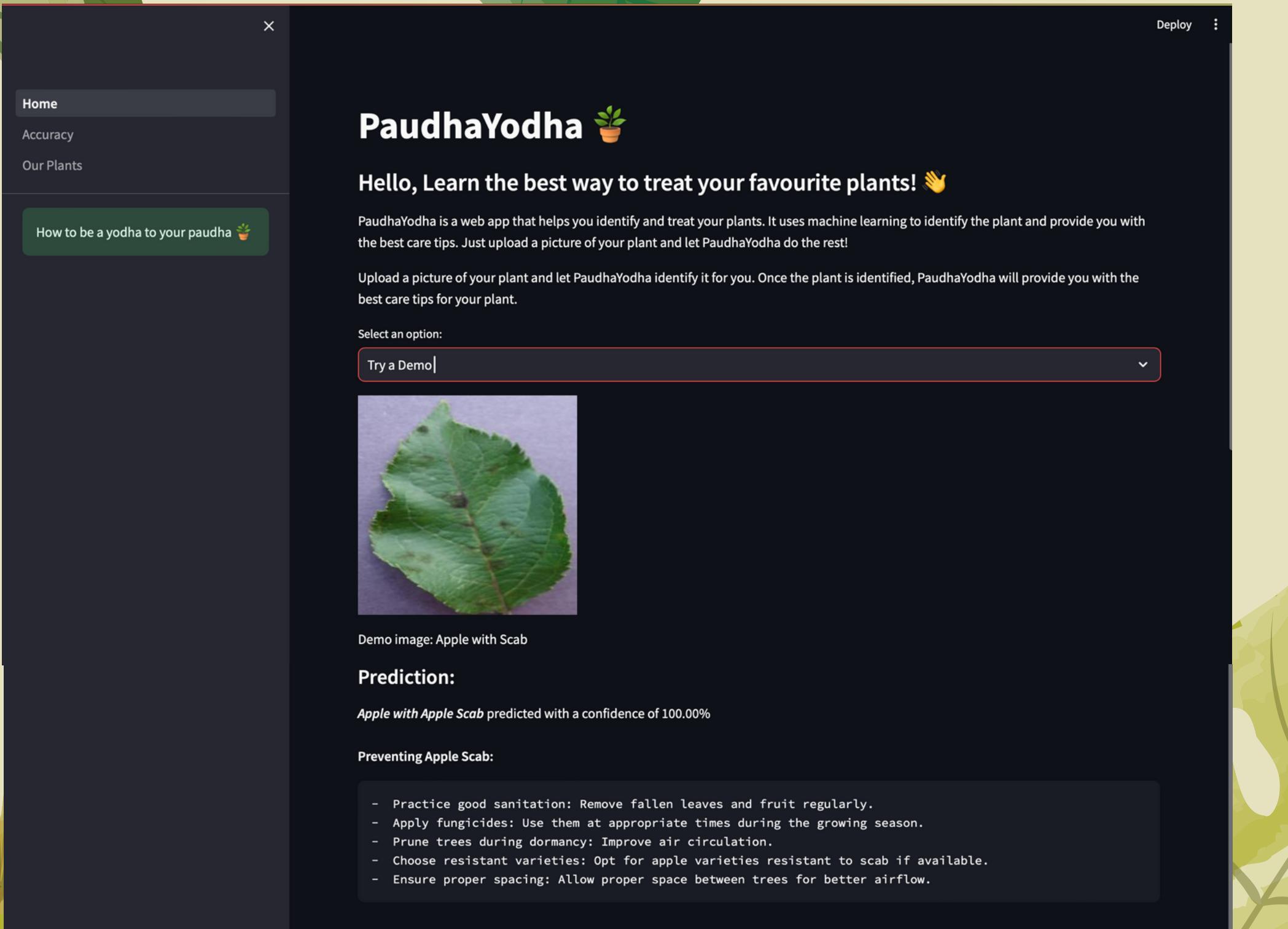
To create an application that can perform real time analysis on the species and health of a plant to be able to recommend the best ways to take care and ensure growth of the plant.

India is one of the largest agrarian populations and our goal is to support the farmers who are the backbone of this country by putting the ability to optimise plant care and growth in the palm of their hands.

Updates

- Added a responsive sidebar to the UI that allows users to navigate between pages.
- Added two new pages
 - Accuracy: defines the scope of the application and explains how to optimise the use of the application.
 - Our Plants: A glossary of what plants our model contains knowledge about.
- Added an option for users to be able to run a demo of the model to understand how the application works
- Formatted UI and reccomendations to make it more presentable

Updated UI



- The try demo feature runs the model on a preloaded image to show the scope and capabilities of the model
- The sidebar is responsive and adaptive to the device you are using it on

Future Scope

- Add a segmentation model for extracting a leaf from the image.
 - This allows the users to take images with less care, w.r.t the model.
 - Multiple predictions can be made using a single image and a holistic output can be given.
- A classification model can be trained on crops specific to the Indian agrarian economy.
- The tips provided to users should be vetted by experts
- Provide a training input via the app, where a user can upload a picture of a plant specie not handled by us, and label it. This can allow the model to grow organically
- Minify the model to make it easily deployable.



Any Questions?