User journey

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By team Iconic

## People

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## Time

30 min

## Difficulty

Beginner



# Project Objectives

How deep neural networks detect the disease.

Build web applications using the Flask framework.

Find the accuracy of the model.

Preprocess the images.

Applying the CNN

algorithm to the dataset.

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# Project Flow

Test the model.

Add the neural network layers.

Classify the dataset into train and test sets.

Load the trained images and fit the model.

Download the dataset.

Build a Web application using a flask that integrates with the model built.

Save the model and its dependencies.

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**Model Building For Fruit Disease Prediction**

Saving the model

Training and testing the model

Adding Output Layer

Adding Hidden Layer

Configure the Learning Process

Adding CNN Layers

Initializing the model

Import the model building Libraries

**Model Building For Vegetable Disease Prediction**

Import the model building Libraries

Adding Hidden Layer

Initializing the model

Configure the Learning Process

Adding Output Layer

Adding CNN Layers

Saving the model

Training and testing the model

# Project Structure

Model Building for Vegetabke diesease prediction

Model Building for Fruit diesease prediction

Train the Model

Data Collection

Image Preprocessing

Test both the models

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# Opportunities

The proposed SVM technique gives a better result when compared to existing CNN.

The proposed method is compared with the existing CNN based leaf disease prediction.

The proposed method uses SVM to classify tree leaves.

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