**User journey**

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By team Iconic

## People

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**Time**

30 min

**Difficulty**

Beginner



1. **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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1. **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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