

**Weed Identification**

**Disease Identification**

**Deficiency Identification**

**Pest Identification**

**The best way to check your gardening problems with Smart Farmer**

**The best way to check your gardening problems with Smart Farmer**

**Smart Farmer (Agriculture based Mobile Application for Farmers).**

# **Research Project Scope**

RESEARCH PROBLEM

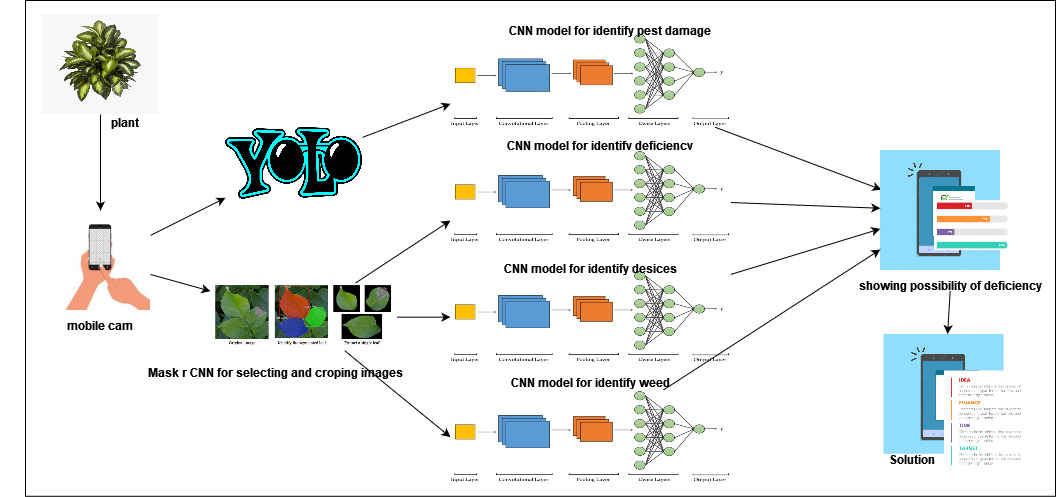
* With Sri Lanka's present economic and food crises, agriculture has taken the lead as a sector.
* Here, it can be studied that the majority of individuals choose to cultivate their own food.
* The newcomers who start cultivating in this place run into a number of issues.
* The primary goal of this research is to provide better solution for these issues

Above are the Research Problems we should address.

#### RESEARCH OBJECTIVE

* Identify pests that can damage crops and suggest control methods.
* Identify deficiency of plants.
* Identify disease that can damage crops and suggest control methods.
* Weed identification and control methods.

#### METHODOLOGY



Here is the systematic software component diagram.

#### TECHNOLOGIES

* Frontend

ReactNative

* Backend

Python

Jupyter Notebook and Google colab

* Libraries

TensorFlow

Matplotlib, Numpy, Pandas

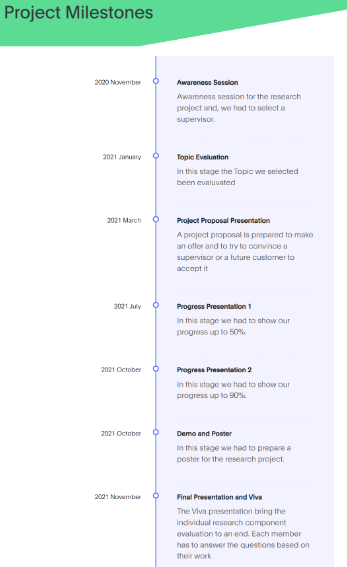
Python REST API : Flask

* Database

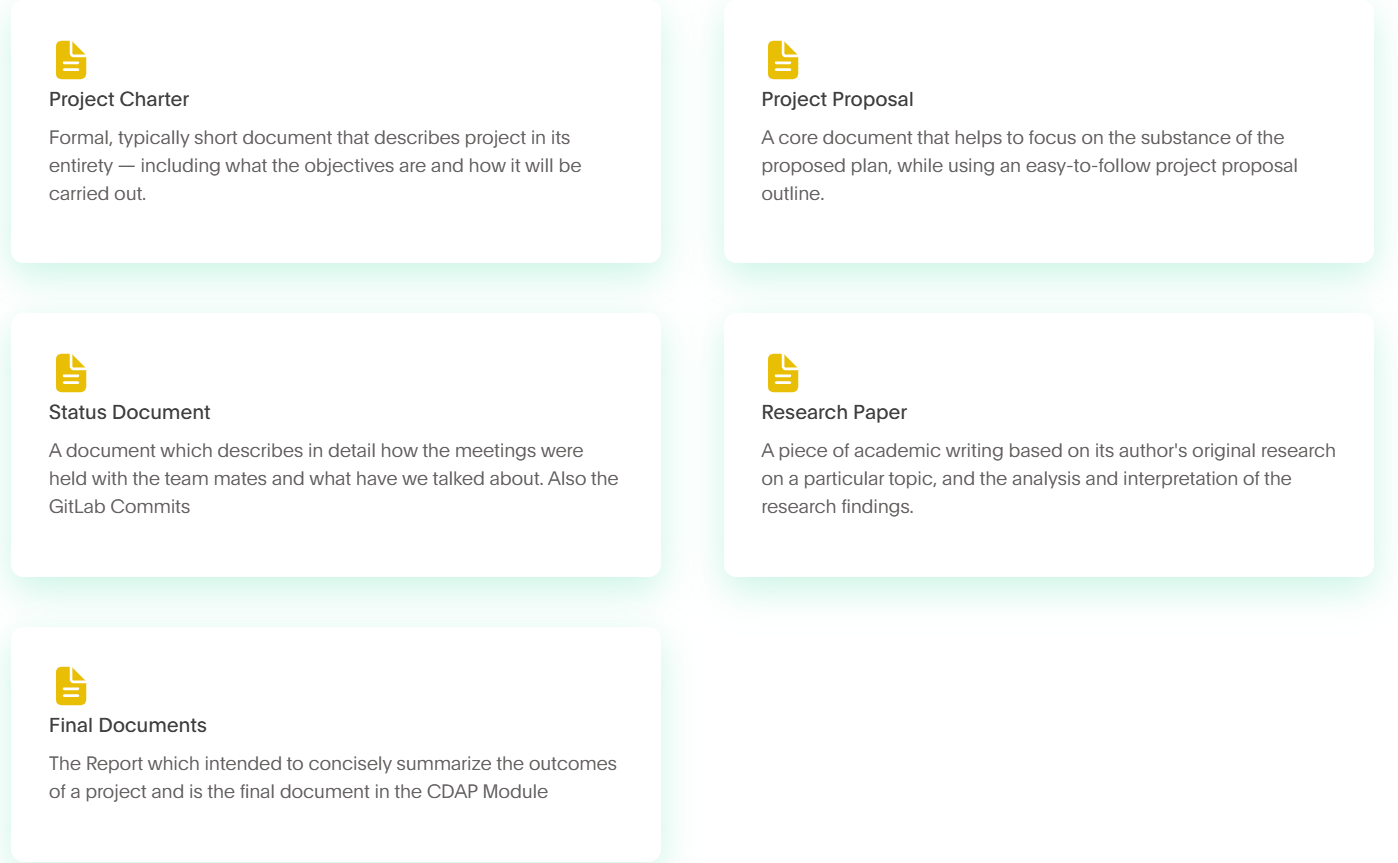
Firebase

Here are the technologies we used to develop the system.

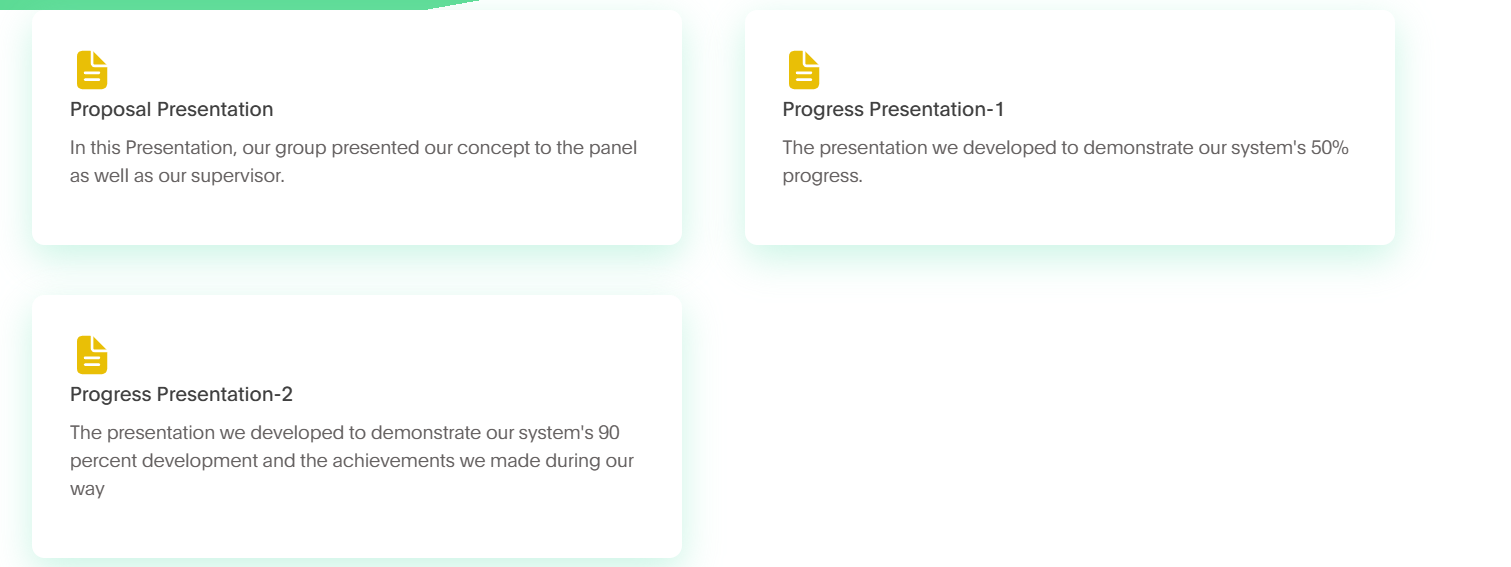
# **Project Milestones**



# **Documents**



# **Presentation**



# **About Us**

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A person with a mustache

Description automatically generated with low confidence

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A person taking a selfie

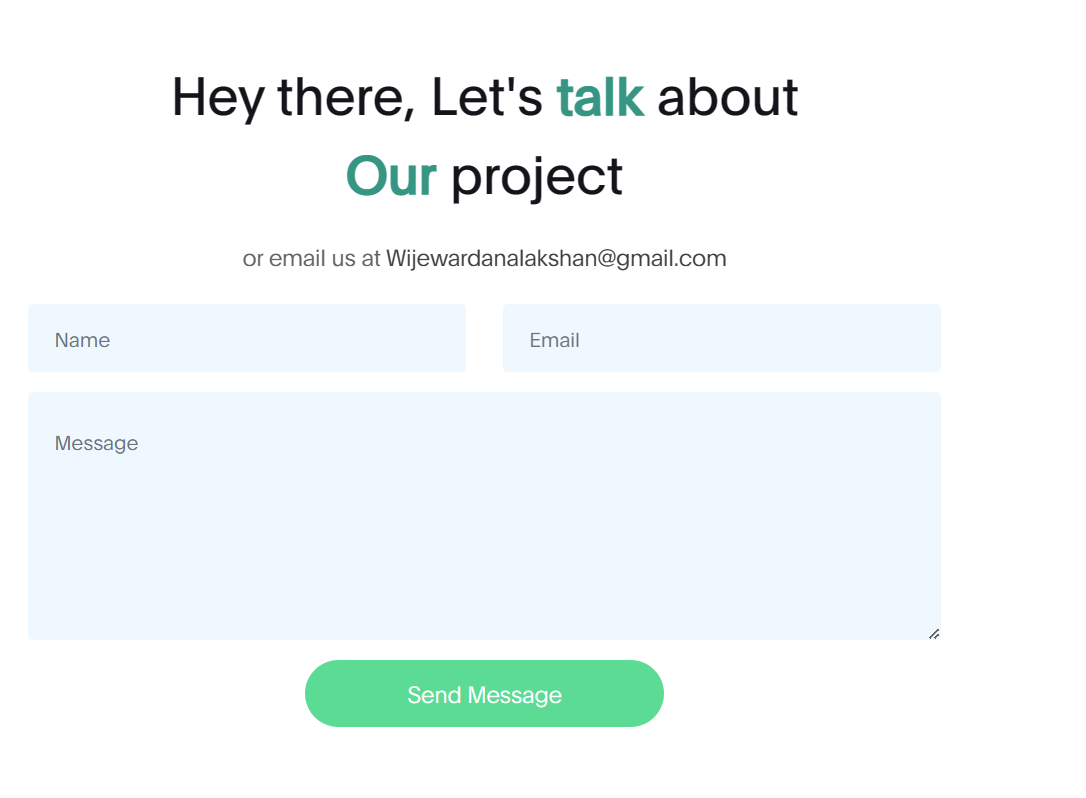
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