

This project is a web application designed using React for the frontend and FastAPI for the backend. The frontend files are stored in the "frontend" folder, while the backend files are stored in the "api" folder.

## Project Description

The purpose of this web application is to predict the types of diseases present in three plants named Tomato, Potato and Bell Pepper. It allows users to drop one image of the crop and then it will predict based on the machine learning model designed.

## Installation

Navigate to the "frontend" folder and run `npm install` to install the necessary frontend dependencies.

Navigate to the "api" folder and run `pip install uvicorn` and other required libraries to install the necessary backend dependencies.

## Usage

Start the backend server:

Navigate to the "api" folder and run `uvicorn main:app --reload` to start the FastAPI server. The server will be running at `http://localhost:8000`.

Start the frontend development server:

Navigate to the "frontend" folder and run `npm start` to start the React development server. The application will be running at `http://localhost:3000`.

## Folder Structure

The project folder structure is as follows:

- frontend/: Contains all the frontend files and components.

- src/: Contains the source code files.

- public/: Contains the public assets.

- package.json: Configuration file for frontend dependencies.

- api/: Contains all the backend files and API endpoints.

- main.py: Entry point for the FastAPI application.

If you have any questions or suggestions regarding this project, please feel free to contact me at Utpal Kant Singh([utpalkant.4855@gmail.com](mailto:utpalkant.4855@gmail.com)).