**BOTANIQ**

Your Smart Herbal Guide for Plant Care, Wellness & Vastu Insights

**DESCRIPTION:-**

**Botaniq** is an AI-powered chatbot designed to help users learn about plants through a conversational interface. By simply uploading a photo of a plant, users can instantly identify the plant and get personalized insights about its care, Vastu benefits, and precautions.

**Key Features**:

* **Plant Identification**: Utilizes the Pl@ntNet API to identify plants from uploaded images.
* **Personalized Responses**: Uses GPT via LangChain to provide detailed plant information, including Vastu significance, care requirements, and safety precautions.
* **Interactive Chat**: Users can interact with the chatbot to ask about various aspects of plant care and Vastu, creating an informative and engaging experience.

**Tech Stack**:

* **Pl@ntNet API** for plant identification.
* **OpenAI GPT** for generating dynamic responses related to plant care.
* **LangChain** for managing complex conversation flows and integrating external APIs.

**Botaniq** is ideal for plant enthusiasts, home decorators, or anyone seeking detailed insights into plants in a fun, conversational format.

HOW TO PROCEED:-

**Dataset:-**

1)use a planet api <https://my.plantnet.org/pricing> :- directly use this api as a dataset, or create a dataset using this but that feels of no use, instead directly upload the image to the api, it’ll o/p some responses like plant species, scientific names, and confidence scores

2)use a full fledged dataset like the oxford102 – Con: too heavy to process might always need the charger to be plugged

**Processing:-**

Chatbot processing can be done using GPT API which is the ai driver chatbot

Or if we have to train a new chatbot, we can go with Langchain

**Backend:-**

Flask framework to be made and worked upon

**Frontend:-**

Could be made super beautiful and crazy looking