Dr GREEN
'chat with your plant'

When nature meet technology

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"Necessity is the mother of invention ."

Introduction

In this presentation, we will explore Dr. Green, a
revolutionary project that leverages the power
of AI
to bridge the communication gap between
humans
and plants. Dr. Green empowers everyone to
become
a plant whisperer, fostering a healthier and more
sustainable relationship with the natural world.

Our company

The principal goal of our company is to give the plant a voice to understand its need and for unveiling its language to facilite its communication with farmers or growers ...
 plants have diffrent ways to communicate with
by signals , symtoms and sending chemicals...
they communicate all the time , by our project we will transform the way we farm and seeding our future together !

Our team

Microclimate

Energy

DIB Nadjet

agriculture engineer

Amir kameel

AI engineer

Benabdall rabie

computer science student and designer

01

Problem vs. solution

Dr. Green: Unveiling the Language of plants
'plants communicate we give them a voice'

Problem

A Silent Struggle
- Plants can't speak, but they struggle silently.
- Diseases, nutrient deficiencies, and stress factors can
- Early detection is crucial for successful treatment and minimal

damage.

Traditional methods of plant health diagnosis can be timeconsuming and require expertise.

Plants are living organisms that face various challenges throughout their growth cycle. Unfortunately, they cannot communicate their struggles verbally. Diseases, nutrient deficiencies, and environmental stress factors can significantly impact plant health and crop yields. Early detection is essential for taking corrective measures and minimizing damage. However, traditional methods of plant health diagnosis often require expert knowledge and can be timeconsuming.

Solution

Giving Plants a Voice

- Dr. Green: a user-friendly web application powered by AI.
- Streamlit platform ensures accessibility for everyone.
- Leverages Gemini Pro Vision, a state-of-the-art AI model for image analysis.
- Analyzes plant images to identify diseases, deficiencies, and stress factors.
- Provides clear diagnoses and suggests actionable treatment options.
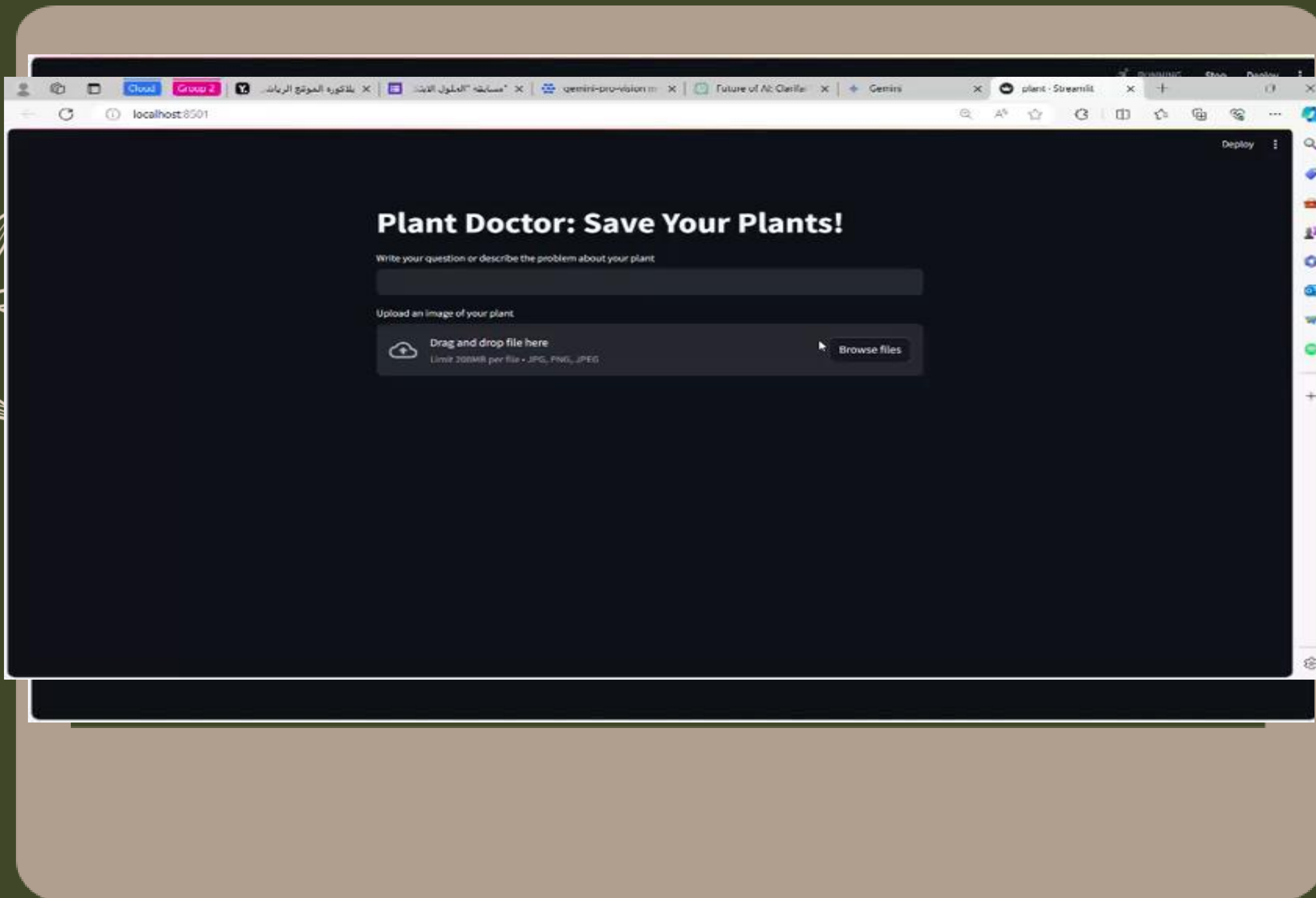
Dr. Green is the solution to the silent struggle of plants. It's a user-friendly web application built using Streamlit, making it accessible to everyone, from seasoned farmers to home gardeners. Dr. Green leverages the power of Gemini Pro Vision, a cutting-edge AI model trained on a massive dataset of plant images and corresponding health data. By uploading a photo of your plant, Dr. Green analyzes the image using Gemini Pro Vision to identify potential problems like diseases, nutrient deficiencies, and stress factors. It then provides a clear diagnosis and suggests actionable treatment options or preventative measures.
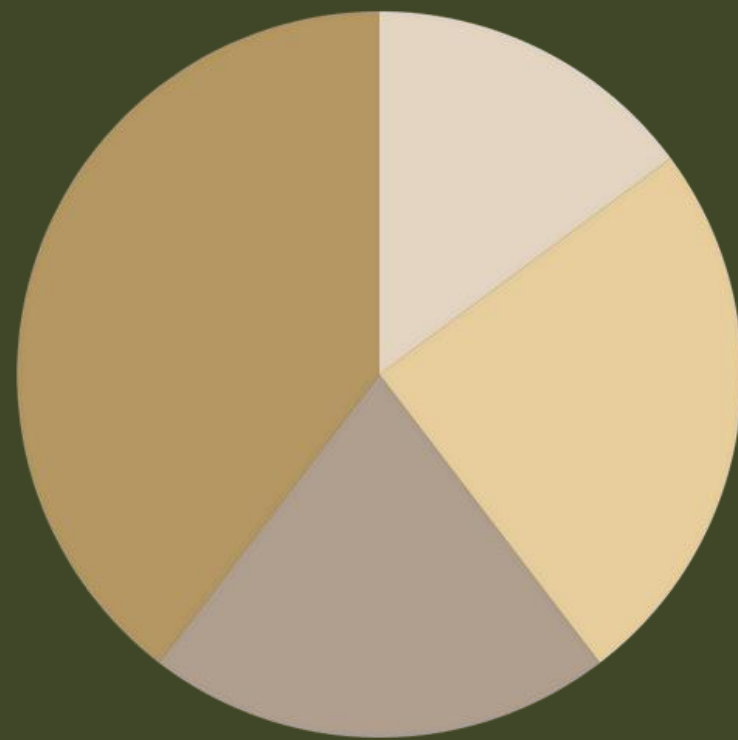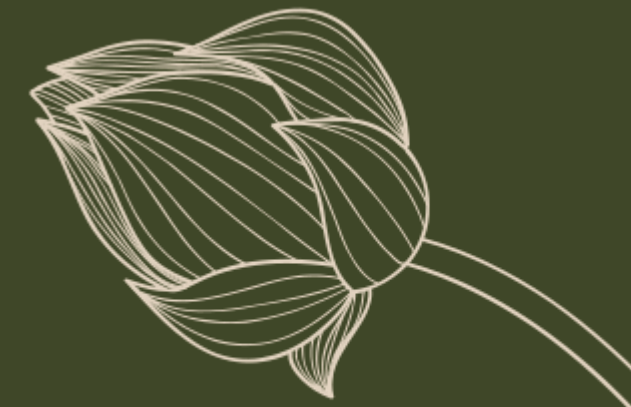
platform demo

Market Size
A Global Opportunity

$12 trillion

The global agriculture market is massive and
expected to reach $12 trillion by 2027.

Rising demand for food due to population growth.
• Increasing focus on sustainable and efficient farming practices.
• Dr. Green addresses a critical need for early and accurate plant health diagnosis.

Clients

Farmers
(large-scale and small-scale)

Developers
Technology providers and developers

Organisations
Agricultural organizations and research institutions

Consumers
who want to grow healthy plants

Thanks!

Does anyone have any questions?
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