#### TruEra Challenge

Build LLM Applications with Google Cloud Vertex Al





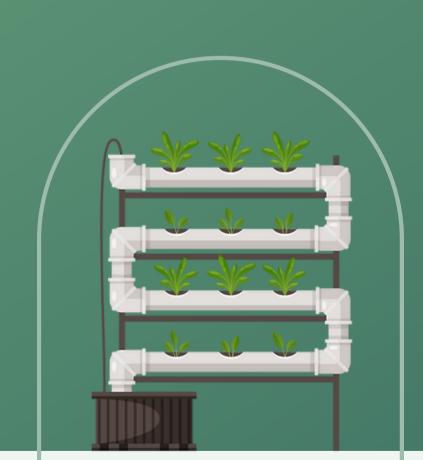




## SHAi

Sustainable Hydroponics Al



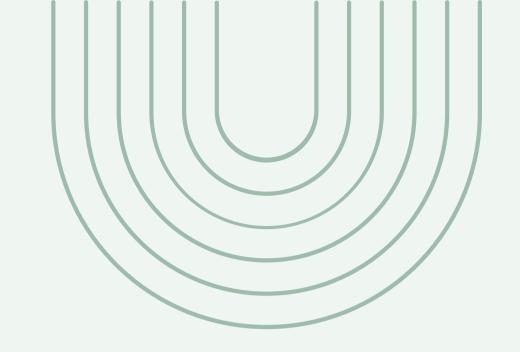


PROBLEM VS SOLUTION

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### **MEET OUR TEAM**



Pranaov AI DEV



Harish AI DEV

#### **HYROPONICS**

Hydroponics is a type of soilless gardening where plants are grown in a nutrient-rich water solution. This method of growing allows for greater control over the growing environment, which can lead to faster growth and higher yields than traditional soil-based gardening.

#### **SUSTAINABILITY**

Hydroponics is a sustainable farming technology that can help reduce water usage, soil erosion, and environmental damage. As the world population grows, the need for more sustainable food production methods becomes increasingly urgent. Hydroponics offers a solution to this problem by providing a way to grow crops in a more efficient and environmentally friendly way.





# PROBLEM VS SOLUTION



## SOLUTION

To address this challenge, we propose the development of a domain-specific Language Model (LLM) assistant tailored specifically for hydroponic farming. This LLM will serve as an indispensable guide, providing users with comprehensive information on various aspects such as methodologies, best practices, common misconceptions, disease management, and more.

## **PROBLEM**

In the evolving landscape of hydroponic farming, the lack of a comprehensive and reliable guide, coupled with the prevalence of biased information online, poses a significant barrier to widespread adoption. Bridging this gap is essential to encourage more people to embrace this innovative approach to agriculture.

## PRODUCT

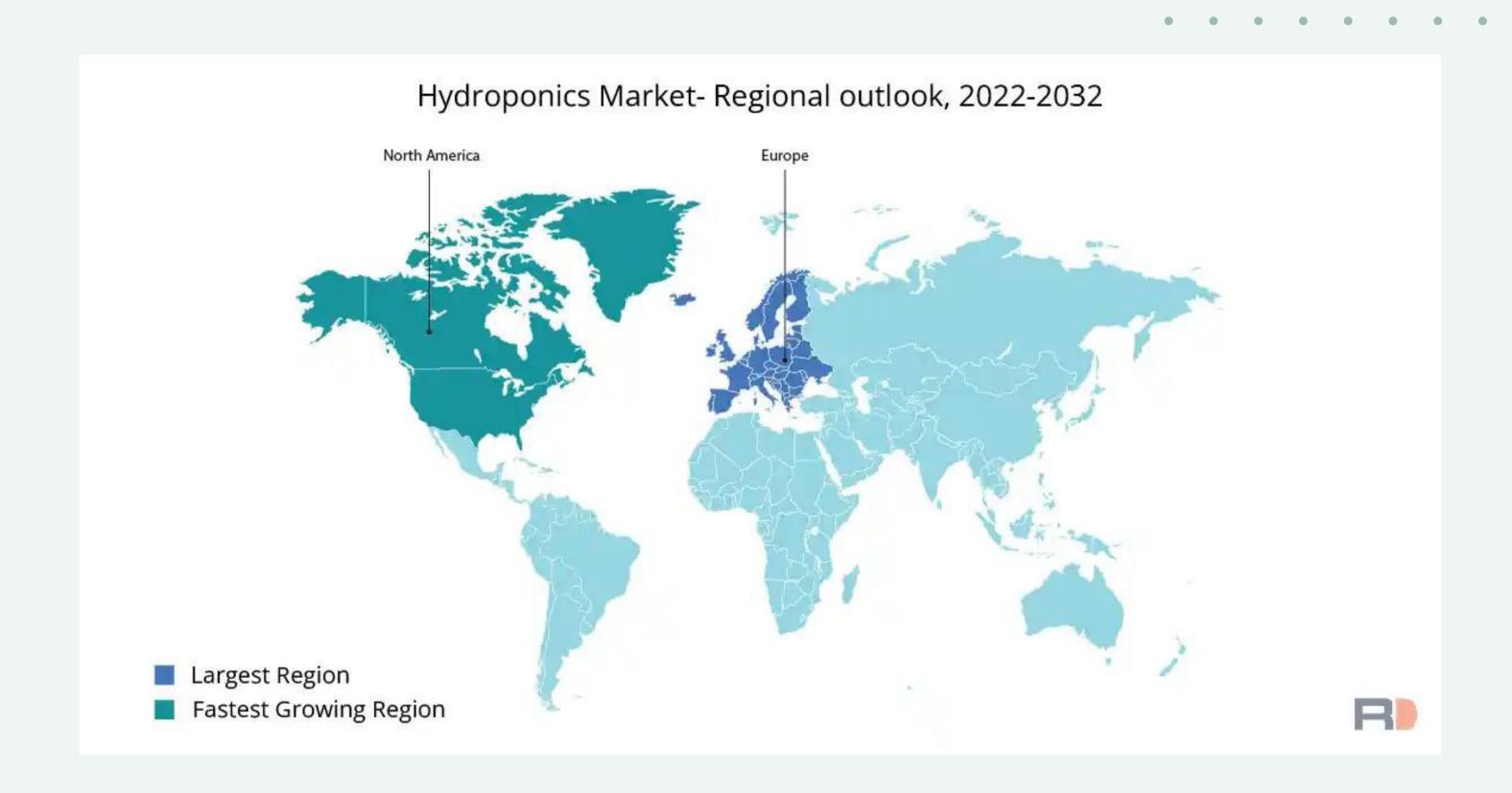
### **Our Product**

A domain specific LLM promoting sustainable hydroponics agricultural methods



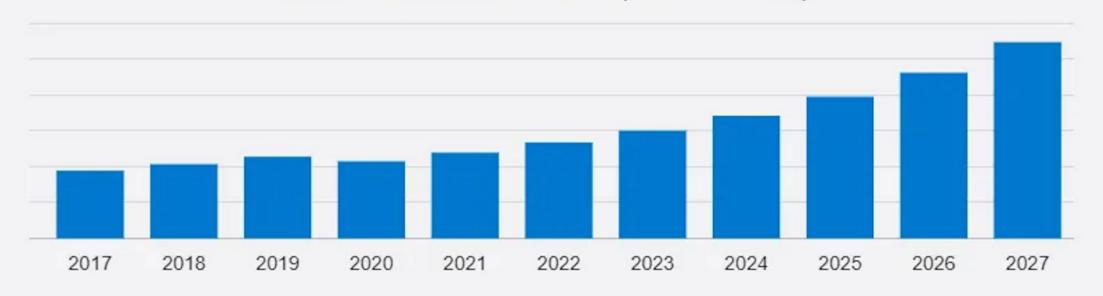
# MARKET & TREND

## MARKET

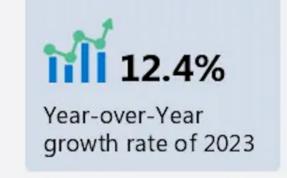


## **TREND**

#### Market Size Outlook (USD Million )

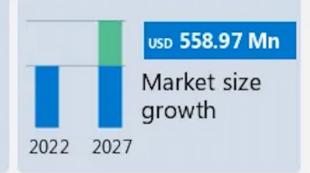


2017: USD 377.41

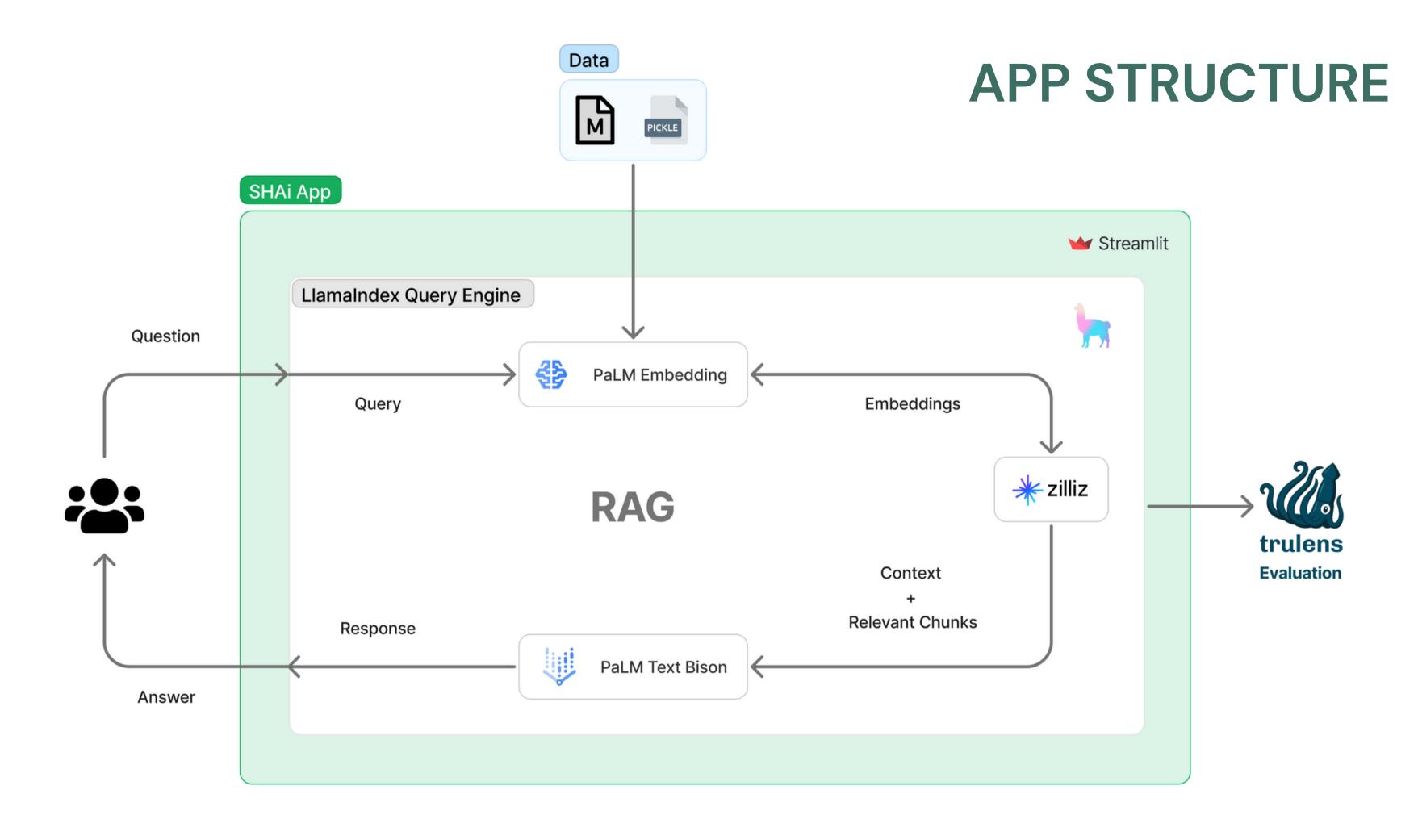




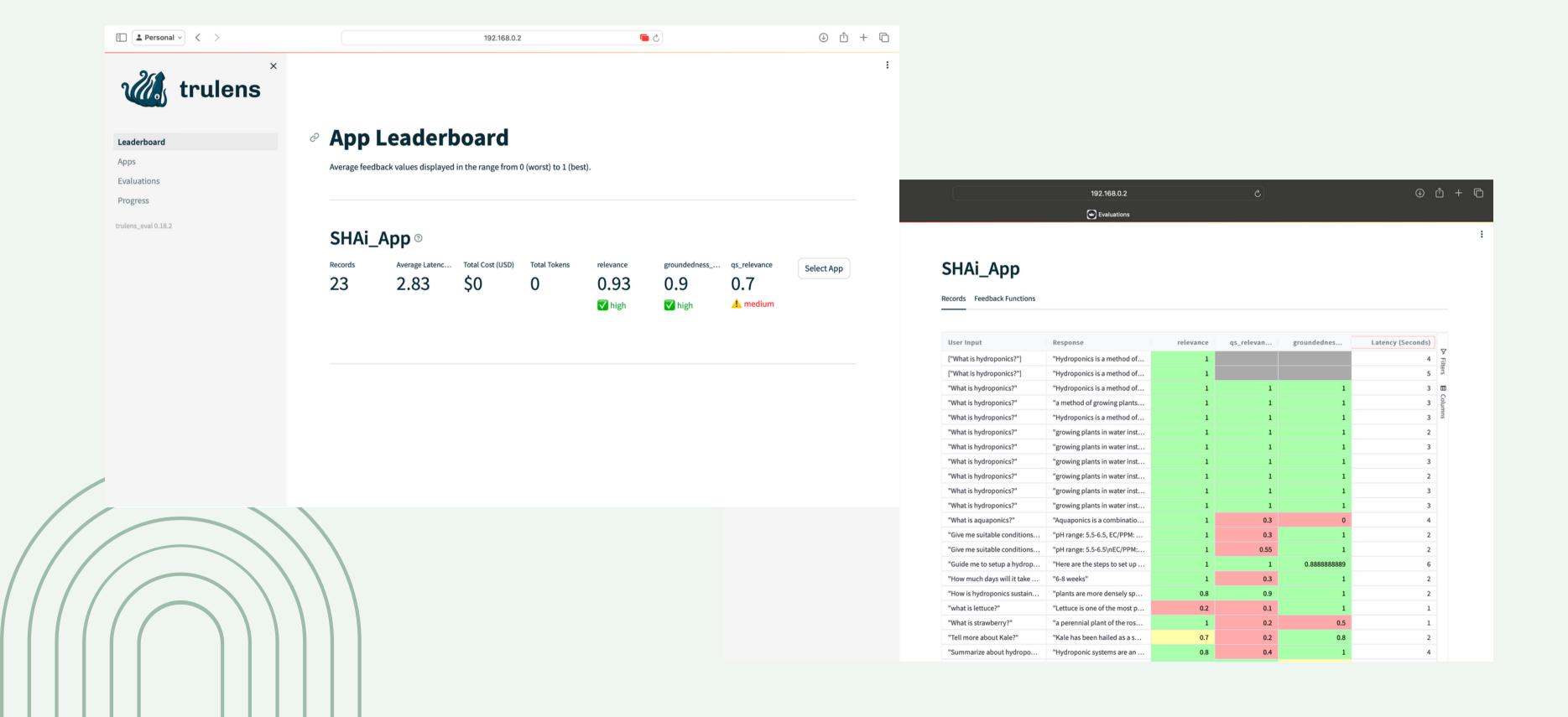




## METHODOLOGY



#### TRULENS EVALUATION





## THANKYOU