Datathon Analytics Club aws

Make the world greener, Start from your room

“Your personalized AI plant curator
using stable diffusion and segmentation models”

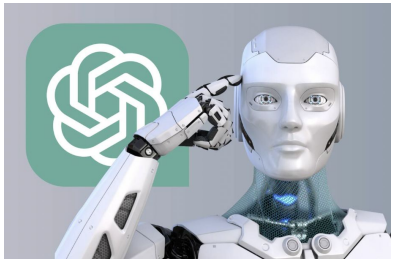
[Plantum:] by kakakhon
Hyeongkyun Kaden Kim, Sanghwan Kim, Songyi Han

TEAM kakakhon

HyeongKyun Kim

SangHwan Kim

SongYi Han



Chat GPT

Problem

- *Climate change, Pollution.*

  Our planet is at risk!
- *Strong Goal by GLOBAL LEVEL!*
- ***The contribution of each***

  individual level?

Solution

[Plantum:]

‘Plant’ + ‘Momentum’

We believe our small movement
can impact the world !

Solution Pipeline

(Image, Condition)

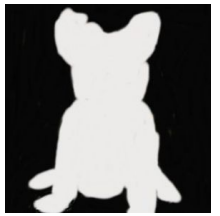
Users

AWS Amplify

Amazon API Gateway

AWS Lambda

Amazon SageMaker



Segmentation model
(Resnet101, ADF20K)

"a white cat, blue eyes, wearing a sweater, lying in park,"

Stable diffusion

Solution Sample result

Original image

Dynamic Segmentation

Beginner

Intermediate

Advanced

Home About Contact

Plantum:

Meet our AI Plant Curator !

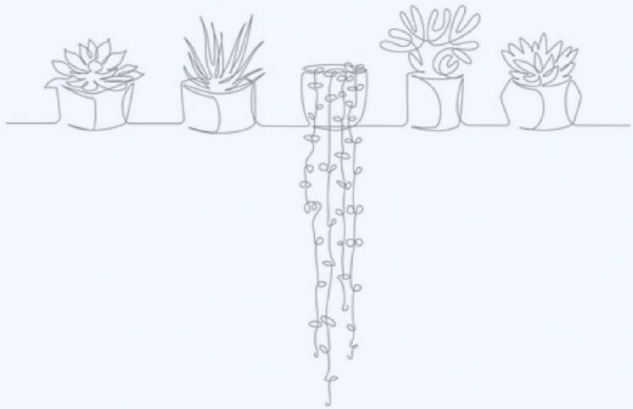
Plantum;

'Plant' + 'Momentum'

From your desk to your room, and from your house to street. let's start a small planting momentum. Together, we can return our Earth back to green.Join Plantum, a movement for a greener future. Ignite change today with our AI Plant Curator!

Purchase UI Kit

Learn More



https://dev4515.d2pfj656cx7gui.amplifyapp.com/

Impact

- *Aesthetic appeal*
- *Reduce individuals stress*
- *Promote sustainability practice*
- *Create greener and healthier world*

Target market

- *Homeowners*
- *Office Managers*
- *Interior Designers*

Join [Plantum:]

a movement for a greener future !

Let’s start a small planting momentum :)

Recommendation based on the difficulty of maintenance

Beginner

e.g. Cactus

Intermediate

e.g. Sansevieria, English Ivy

Advanced

e.g. Bonsai tree, Orchid

Join [Plantum:], a movement for a greener future !

Let’s start a small planting momentum :)

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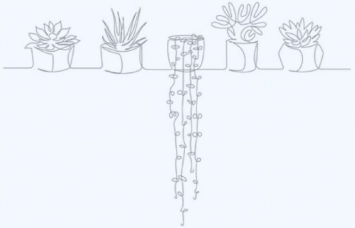

Upload your room

Show your Plantum !

We won 3rd place !!! 🥉🏆

Source code - https://github.com/KAKAKHON-DATATHON23-AWS/AWScode