



Genie Applicant's Challenge

July 3, 2020

Jasmine's Flower

Description

Aladdin has found Genie lamp and unleashed Genie out of the lamp. Genie has given three wishes to Aladdin. Genie was able to full fill two of them but got stuck at the final wish. Jasmine, princess of Agrabah and love of Aladdin has taken Aladdin to a flower garden as asked him to pluck all the flowers and arrange them according to their properties. Poor Aladdin was not able to recognize and classify the flowers in the garden as there are different types of flowers and a handful of flowers for each type. Now you can imagine Aladdin's problem. So he asked Genie to do this for him and keep it as a secret so that Jasmine would never know about this. Now Genie is confused with all the colours, petals and sepals. After seeing all the flowers Genie wanted to create a segmentation of the flowers so that he can easily understand the flower. Could you help genie to full fill Aladdin's wish.

Tasks

- Your task is to build a classifier which classifies all the flowers and create image segmentation.
- You are allowed to use any type of Image segmentation of your choice.
- You are allowed to use any programming language of your choice. You can use any packages that are required for the challenge.



Dataset

Please find the Jasmine's Garden and Segmented Images.

Read Me file or please use this link to check the data set <https://www.robots.ox.ac.uk/~vgg/data/flowers/17/index.html>

Expected outcome

- Description of the methods used.(Max 2 pages)
- Performance evaluation of the algorithm on test dataset

Submission

You are required to submit the complete project details (notebooks, documents and results) to the repository provided, by 8 AM on 6th of July.