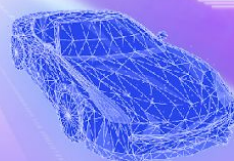


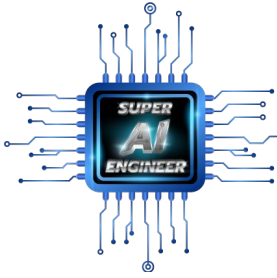
# SUPER AI ENGINEER SEASON 4



# Image Search Logos (Computer Vision Hackathon) 2-4 February 2024



# Image Search in Logos



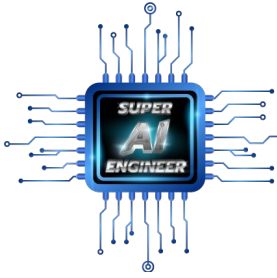
## Given:

- Unlabeled Image Logo Dataset.
- Query Logo Images.

## Task:

- Given The queries, search all images in the unlabeled dataset that is similar to them.

# Image Search in Logos

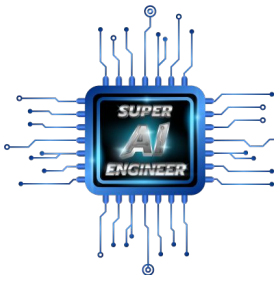


## Rules:

- No API calls from third-parties.
- No manual labelling of classes in the datasets.
- All sources and inspirations involved should be sourced clearly.



# Image Search in Logos

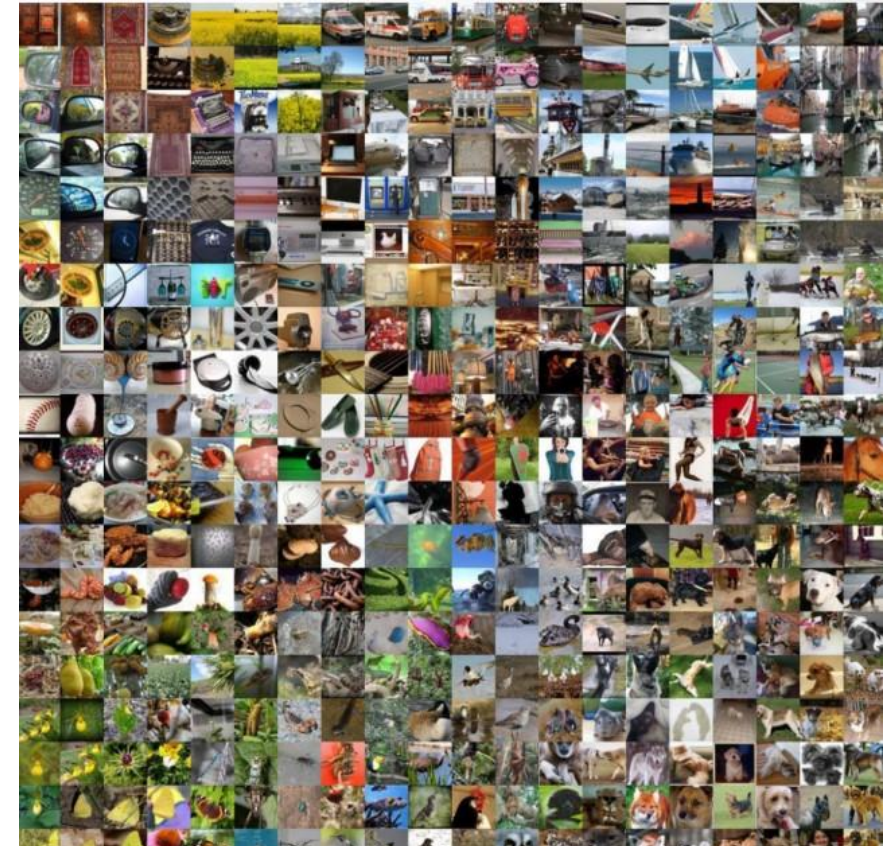


## Dataset:

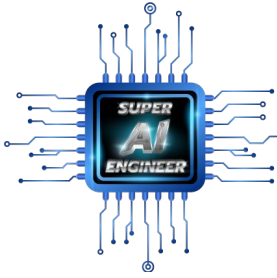
- Training Dataset **2400** file
- Testing Dataset **1120** file  
(Public 560 Private 560)
- Source Code **1** file
- Submit file output

**Output Format:**  
**.CSV**

A img_file	# class
64ccfecf-e451-49a8-aa3f-acf2622a9a5c.jpg	12
c6df1385-382a-4428-b41e-f2d729b90c87.jpg	22
af30e9d0-da6e-42bd-814e-c70a0c16e554.jpg	22



# Image Search in Logos



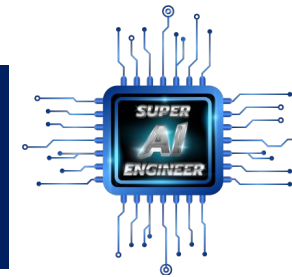
**Evaluation Matrix:**

**F1 Macro**

**Kaggle link Image Search**

**<https://www.kaggle.com/t/dbbecac499014008bb292bac256a6cac>**

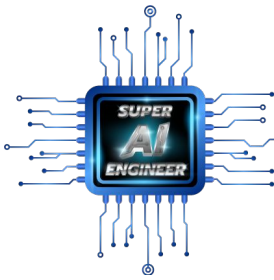
# Submit via Kaggle API



**Info**

<https://www.kaggle.com/docs/api>

# Submit via Kaggle API



≡ kaggle

+ Create

🏠 Home

🏆 Competitions

📊 Datasets

🤖 Models

<> Code

💬 Discussions

🎓 Learn

✓ More

📁 Your Work

🔍 Search

## Welcome, palm!

Jump back in, or start something new.

LOGIN STREAK

10

Your longest is  
11 days

TIER PROGRESS

0%

to Expert

PUBLIC ACTIVITY

M T W T F S S



📊 Datasets

14

total created

<> Notebooks

33 ↗ 2

total created

🏆 Competitions

33 ↗ 1

total joined

💬 Discussions

3

total posted

🎓 Courses

0

total completed

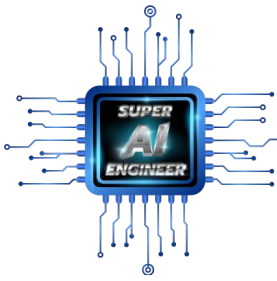
[Hide stats](#)

### How to start: Choose a focus for today

Help us make relevant suggestions for you

✕

# Submit via Kaggle API



≡ kaggle

+

 Create

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Datasets

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Discussions

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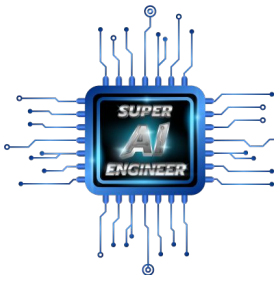
MTWTFSS

Hide stats

×



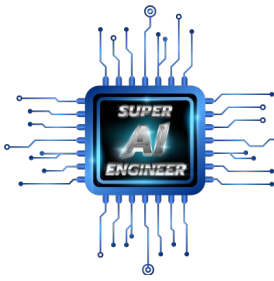
# Submit via Kaggle API




The screenshot shows the Kaggle user interface for a user named 'palm'. The interface is divided into several sections:

- Left Sidebar:** Contains navigation links: Home, Competitions, Datasets, Models, Code, Discussions, Learn, More, and Your Work.
- Search Bar:** Located at the top of the main content area.
- Welcome, palm!:** A large heading with the text 'Jump back in, or start something new.'
- Statistics:** A row of five statistics: Datasets (14 total created), Notebooks (33 total created), Competitions (33 total joined), Discussions (3 total posted), and Courses (0 total completed).
- User Profile Dropdown:** A dropdown menu is open, showing options: Your Profile (highlighted with a red circle), Settings, Sign Out, Your accelerator quota (30h available of 30h), and Your notifications (No notifications to display).

# Submit via Kaggle API





+

Create

Home

Competitions

Datasets

Models

Code


Discussions

Learn

More

Your Work

Search



**palm**

Barista at Artificial Intelligence Association of Thailand  
Bangkok, Bangkok, Thailand  
Joined 5 years ago · last seen in the past day

Followers 1

Competitions Contributor

Home

Competitions (17)

Datasets (1)

Code (33)

Discussion (3)

Followers (1)

Notifications

Account

Edit Public Profile

Competitions Contributor

Unranked

0

0

0

Datasets Contributor

Unranked

0

0

0

Notebooks Contributor

Unranked

0

0

0

Discussion Contributor

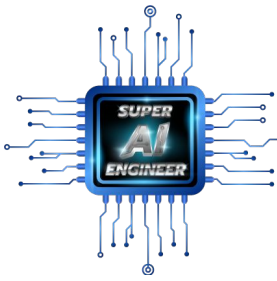
Unranked

0

0

0

# Submit via Kaggle API



≡ kaggle

+ Create

🏠 Home

🏆 Competitions

📊 Datasets

🤖 Models

<> Code

💬 Discussions

🎓 Learn

✓ More

📁 Your Work

🔍 Search

## Settings

Account Notifications

Change email

### Phone verification

Verified

### API

Using Kaggle's beta API, you can interact with Competitions and Datasets to download data, make submissions, and more via the command line. [Read the docs](#)

Create New Token

Expire Token

### Quotas

👤 Your profile

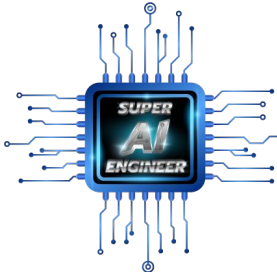
#### Your username

dableuteef2 (not editable)

#### Your account number

2768080

# Submit via Kaggle API



## Authentication

In order to use the Kaggle's public API, you must first authenticate using an API token. Go to the 'Account' tab of your user profile and select 'Create New Token'. This will trigger the download of kaggle.json, a file containing your API credentials.

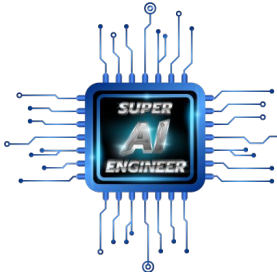
If you are using the Kaggle CLI tool, the tool will look for this token at ~/.kaggle/kaggle.json on Linux, OSX, and other UNIX-based operating systems, and at C:\Users\<Windows-username>\.kaggle\kaggle.json on Windows. If the token is not there, an error will be raised. Hence, once you've downloaded the token, you should move it from your Downloads folder to this folder.

If you are using the Kaggle API directly, where you keep the token doesn't matter, so long as you are able to provide your credentials at runtime.

**Info**

<https://www.kaggle.com/docs/api>

# Submit via Kaggle API



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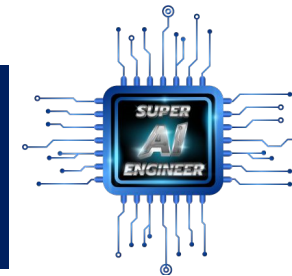
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# Submit via Kaggle API

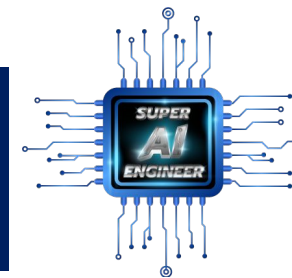


```
Files
├── ..
├── .config
├── sample_data
└── kaggle.json

!pip install kaggle
!mkdir ~/.kaggle
[4] !cp kaggle.json ~/.kaggle
[6] !kaggle competitions list

Warning: Your Kaggle API key is readable by other users on this system! To fix this, you can run 'chmod 600 /root/.kaggle/kaggle.json'
Warning: Looks like you're using an outdated API Version, please consider updating (server 1.6.4 / client 1.5.16)
ref
-----
https://www.kaggle.com/competitions/blood-vessel-segmentation 2024-02-06 23:59:00 Research $80,000 1
https://www.kaggle.com/competitions/pii-detection-removal-from-educational-data 2024-04-23 23:59:00 Featured $60,000
https://www.kaggle.com/competitions/hms-harmful-brain-activity-classification 2024-04-08 23:59:00 Research $50,000 1
https://www.kaggle.com/competitions/playground-series-s4e2 2024-02-29 23:59:00 Playground Swag
https://www.kaggle.com/competitions/titanic 2030-01-01 00:00:00 Getting Started Knowledge 16
https://www.kaggle.com/competitions/house-prices-advanced-regression-techniques 2030-01-01 00:00:00 Getting Started Knowledge 4
https://www.kaggle.com/competitions/spaceship-titanic 2030-01-01 00:00:00 Getting Started Knowledge 2
https://www.kaggle.com/competitions/digit-recognizer 2030-01-01 00:00:00 Getting Started Knowledge 1
https://www.kaggle.com/competitions/nlp-getting-started 2030-01-01 00:00:00 Getting Started Knowledge
https://www.kaggle.com/competitions/connectx 2030-01-01 00:00:00 Getting Started Knowledge
https://www.kaggle.com/competitions/tpu-getting-started 2030-06-03 23:59:00 Getting Started Knowledge
https://www.kaggle.com/competitions/store-sales-time-series-forecasting 2030-06-30 23:59:00 Getting Started Knowledge
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https://www.kaggle.com/competitions/contradictory-my-dear-watson 2030-07-01 23:59:00 Getting Started Knowledge
https://www.kaggle.com/competitions/optiver-trading-at-the-close 2024-03-20 23:59:00 Featured $100,000 4
https://www.kaggle.com/competitions/predict-energy-behavior-of-prosumers 2024-04-30 23:59:00 Featured $50,000 2
```

# Submit via Kaggle API



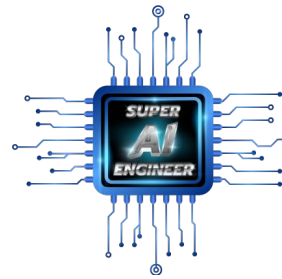
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https://www.kaggle.com/competitions/store-sales-time-series-forecasting 2030-06-30 23:59:00 Getting Started Knowledge
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https://www.kaggle.com/competitions/predict-energy-behavior-of-prosumers 2024-04-30 23:59:00 Featured $50,000 2
```



# Submit via Kaggle API

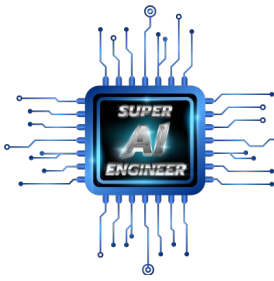


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ref                                                                                               deadline                               category                               reward                               teamCo
-----
https://www.kaggle.com/competitions/blood-vessel-segmentation 2024-02-06 23:59:00 Research                               $80,000                               1
https://www.kaggle.com/competitions/pii-detection-removal-from-educational-data 2024-04-23 23:59:00 Featured                               $60,000                               1
https://www.kaggle.com/competitions/hms-harmful-brain-activity-classification 2024-04-08 23:59:00 Research                               $50,000                               1
https://www.kaggle.com/competitions/playground-series-s4e2 2024-02-29 23:59:00 Playground                               Swag                                   1
https://www.kaggle.com/competitions/titanic 2030-01-01 00:00:00 Getting Started Knowledge 16
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```

# Submit via Kaggle API



KAGGLE · GETTING STARTED PREDICTION COMPETITION · ONGOING

## Titanic - Machine Learning from Disaster

Start here! Predict survival on the Titanic and get familiar with ML basics

Submit Prediction



Overview

Data

Code

Models

Discussion

**Leaderboard**

Rules

Team

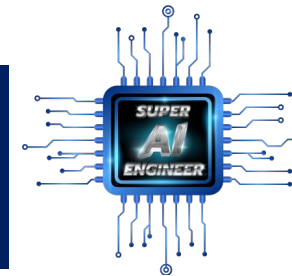
Submissions

### Leaderboard

↓ Raw Data

↻ Refresh

# Submit via Kaggle API



## Titanic - Machine Learning from Disaster

Start here! Predict survival on the Titanic and get familiar with ML basics

Overview Data Code Models Discussion Leaderboard Rules Team S

### Leaderboard

#### YOUR RECENT SUBMISSION



**gender\_submission.csv**

Submitted by palm · Submitted 11 minutes ago

↓ [Jump to your leaderboard position](#)

🔍 Search leaderboard



### Titanic - Machine Learning from Disaster

You have 9 submissions remaining today. This resets in 14 hours.



**Drag and drop file to upload**

(e.g., .csv, .zip, .gz, .7z)

or

[Browse Files](#)

Your submission should be a CSV file with 418 rows and a header. You can upload a zip/gz/7z archive.

#### DESCRIPTION

Enter a description

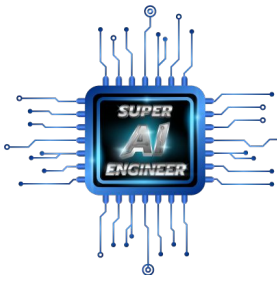
0 / 500

>\_ kaggle competitions submit -c titanic -f submission.csv -m "Mes...





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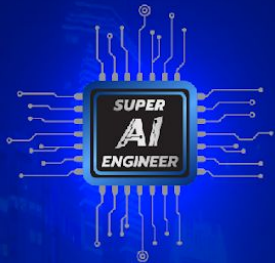
#### DESCRIPTION

Enter a description

0 / 500

```
>_ kaggle competitions submit -c titanic -f submission.csv -m "Mes...
```





# SUPER AI ENGINEER SEASON 4



# Q & A

