

# MANUAL BOOK

## AI IMAGE GENERATIVE PROMPT CLASSIFICATION



PBL IF 23 – 2 – 16

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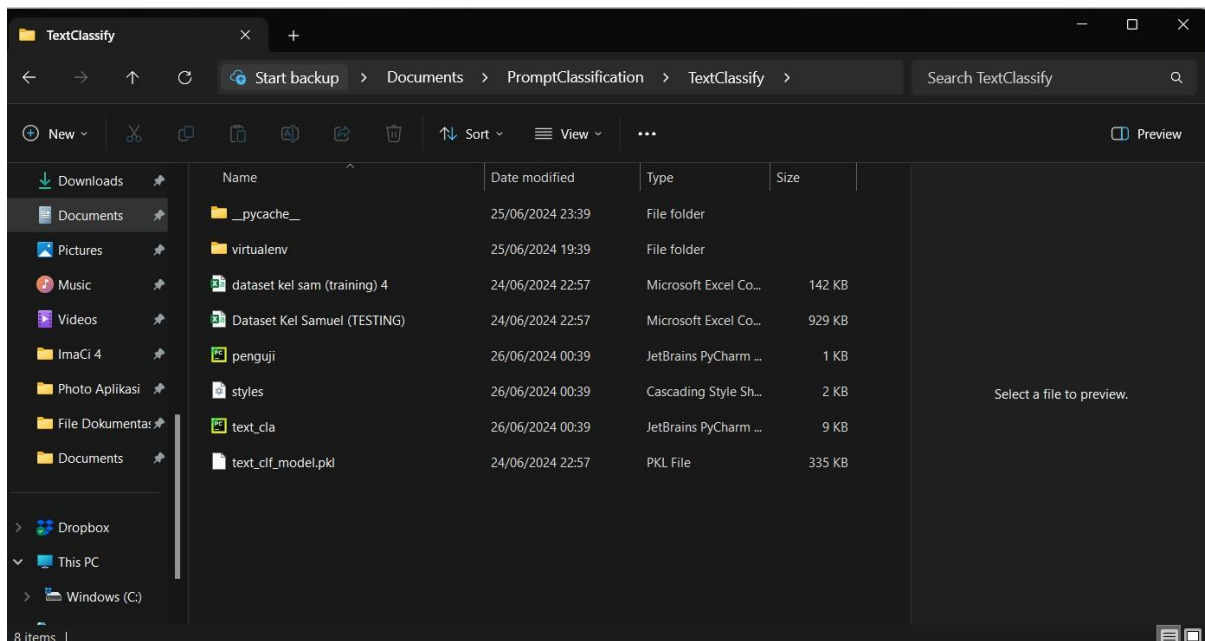
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## Instructions for Using the AI Image Generative Prompt Classification Application

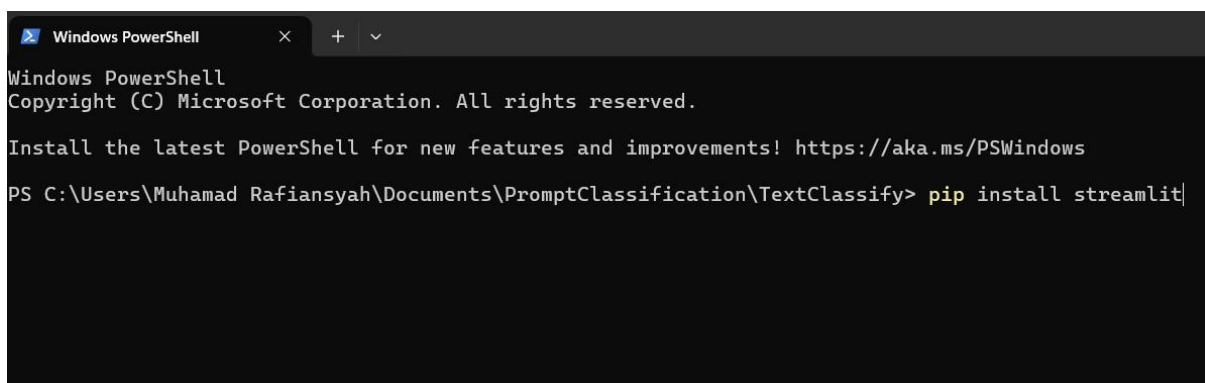
AI Image Generative Prompt Classification is an AI-based application that can classify generative image prompts according to their class. Using Python and Streamlit.

### A. How to Install

- Enter the application folder



- Install Streamlit by opening a terminal (right mouse click and select "Open in Terminal") and entering the command 'pip install streamlit'.



- Install the Modules and Dependencies needed to run the application with the same method as installing streamlit.

- Run the application by typing the command 'streamlit run text\_cla.py' into the terminal.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Muhamad Rafiansyah\Documents\PromptClassification\TextClassify> streamlit run text_cla.py

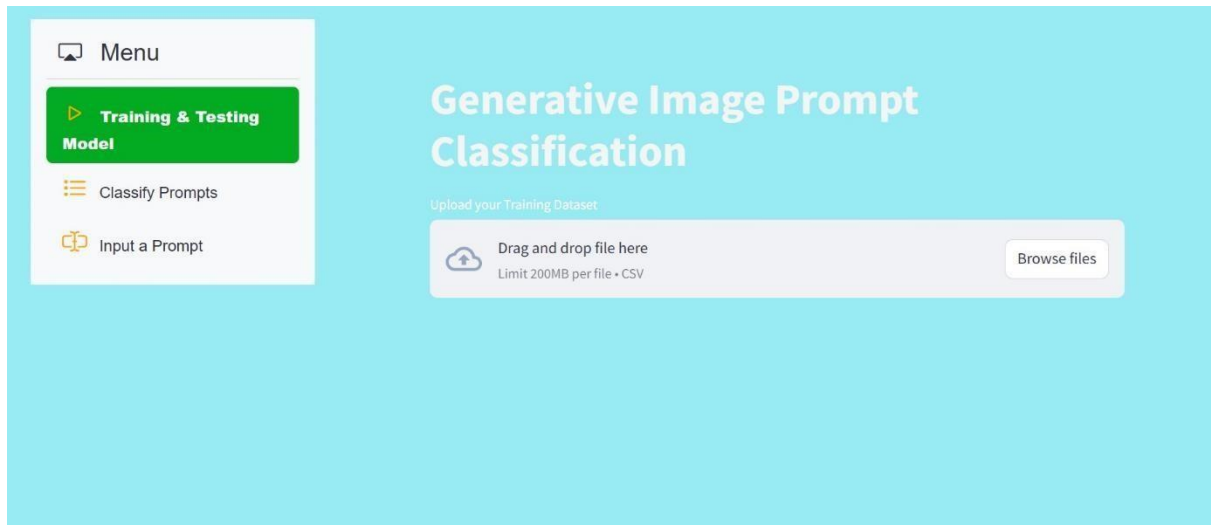
You can now view your Streamlit app in your browser.

Local URL: http://localhost:8503
Network URL: http://192.168.43.196:8503

[nltk_data] Downloading package punkt to C:\Users\Muhamad
[nltk_data] Rafiansyah\AppData\Roaming\nltk_data...
[nltk_data] Package punkt is already up-to-date!
[nltk_data] Downloading package stopwords to C:\Users\Muhamad
[nltk_data] Rafiansyah\AppData\Roaming\nltk_data...
[nltk_data] Package stopwords is already up-to-date!
[nltk_data] Downloading package wordnet to C:\Users\Muhamad
[nltk_data] Rafiansyah\AppData\Roaming\nltk_data...
[nltk_data] Package wordnet is already up-to-date!
[nltk_data] Downloading package averaged_perceptron_tagger to
[nltk_data] C:\Users\Muhamad
[nltk_data] Rafiansyah\AppData\Roaming\nltk_data...
[nltk_data] Package averaged_perceptron_tagger is already up-to-
[nltk_data] date!
```

## B. Performing Training & Testing Data

- Enter the Training & Testing Data page..

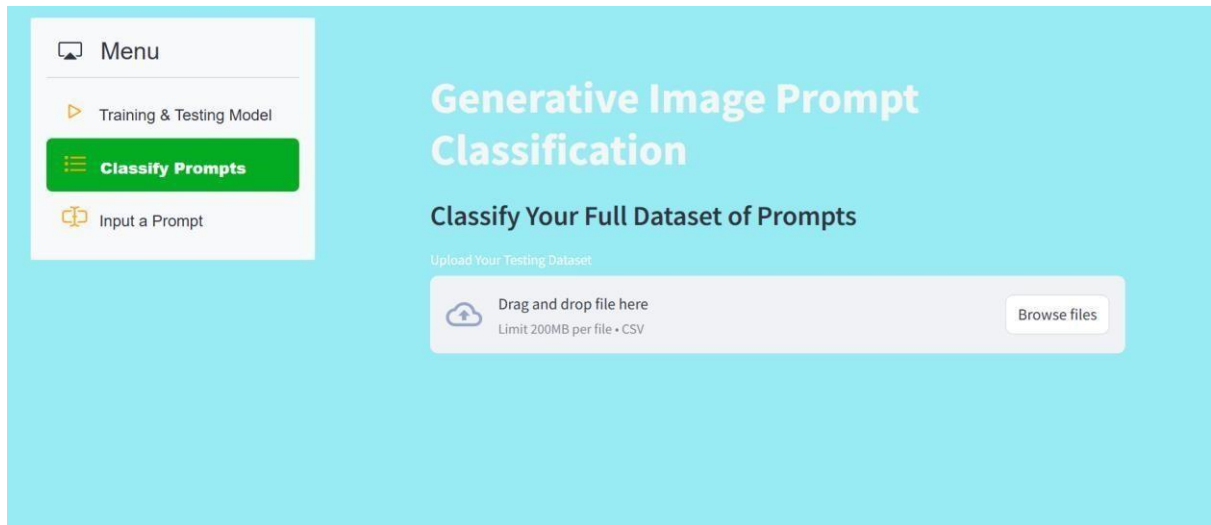


- Perform Training by entering the Dataset for Training.
- The model will perform training and produce output in the form of testing and accuracy of the model.



## C. Classifying Prompts on Datasets

- Enter the Classify Prompts page



- Enter the Dataset that you want to classify
- The model will classify each prompt in the dataset.

Detected encoding: Windows-1252

Prediction Dataset:

	deskripsi	kelas
0	flower line art clean and simple, flower is white but bold black lines create the shape	flower
1	tulip flower line art clean and simple, flower is white but bold black lines create the s	flower
2	rose flower line art clean and simple, flower is white but bold black lines create the s	flower
3	dahlia flower line art clean and simple, flower is white but bold black lines create the	flower
4	daisy flower line art clean and simple, flower is white but bold black lines create the s	flower
5	orchid flower line art clean and simple, flower is white but bold black lines create the	flower
6	forest flower, myth fern flower, imagination, slavic plant	flower
7	random flower patten, flower texture for print --v 6.0	flower
8	printable flower patterns, watercolor, flower texture, colorful --v 6.0 --s 750	flower
9	beautiful full body of a black model woman with a blue rose flower covering entire fa	flower

## D. Classifying a Prompt

- Enter the Input a Prompt page
- Type the Prompt you want to classify
- The model will determine the Class that matches the typed Prompt

The screenshot shows a web application interface for 'Generative Image Prompt Classification'. On the left is a sidebar menu with four items: 'Menu' (with a monitor icon), 'Training & Testing Model' (with a play icon), 'Classify Prompts' (with a list icon), and 'Input a Prompt' (with a document icon and a green background). The main content area has a light blue background. At the top, it says 'Generative Image Prompt Classification' in large white text. Below this, it says 'Enter a new prompt for classification:' in small text. There is a large text input field containing the word 'Tulip'. Below the input field is a red 'Classify' button. Below the button is a green box containing the text 'Predicted class: flower'. At the bottom, it says 'Data saved to SQLite database'.