

IMAGE AUGMENTOR 1.0

Comprehensive Handbook

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Image Augmentor 1.0

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CHAPTER

1

INTRODUCTION

Welcome to Image Augmentor 1.0! We are genuinely thrilled to present to you this sophisticated image generator. Within this meticulously crafted handbook, you'll find a comprehensive guide designed to seamlessly lead you through the usage of this application, providing valuable insights along the way. Should you have any questions or find yourself in need of further assistance, please don't hesitate to reach out.

We sincerely appreciate your choice in selecting our product, and we have full confidence that it will not only meet but exceed your expectations. Thank you for entrusting us with your image augmentation needs.

1.1. KEY FEATURES

- Generate lots of image from the same set of images using different augmentation techniques
- Option to change the different values:
 - Rotation range (0-180)
 - Width Shift Range (0.00 - 1.00)
 - Height Shift Range (0.00 - 1.00)
 - Shear Range (0.00 - 1.00)
 - Zoom Range (0.00 - 1.00)

- Flip options (Horizontal, Vertical)
- Fill mode (Nearest)

1.2. SYSTEM REQUIREMENTS

For basic image generation, we recommend utilizing any Windows-based system. To ensure optimal performance, we suggest a minimum of 8 Gigabytes of RAM. Additionally, for enhanced processing capabilities, it is highly recommended to consider systems equipped with an Intel i5 or i7 processor or a later model.

In scenarios involving the processing of substantial amounts of data, we advise opting for systems with a higher memory capacity, preferably a minimum of 32 or 64 Gigabytes of RAM. This will significantly enhance the efficiency and speed of data processing, ensuring a seamless experience with large datasets.

Your attention to these hardware specifications will undoubtedly contribute to a smoother and more productive computing environment.

CHAPTER

2

INSTALLATION

For a smooth installation process, we kindly request you to follow the provided instructions diligently. Your attention to detail during this phase will greatly contribute to the successful setup of our application.

Thank you for your cooperation, and we appreciate your commitment to ensuring a seamless installation experience.

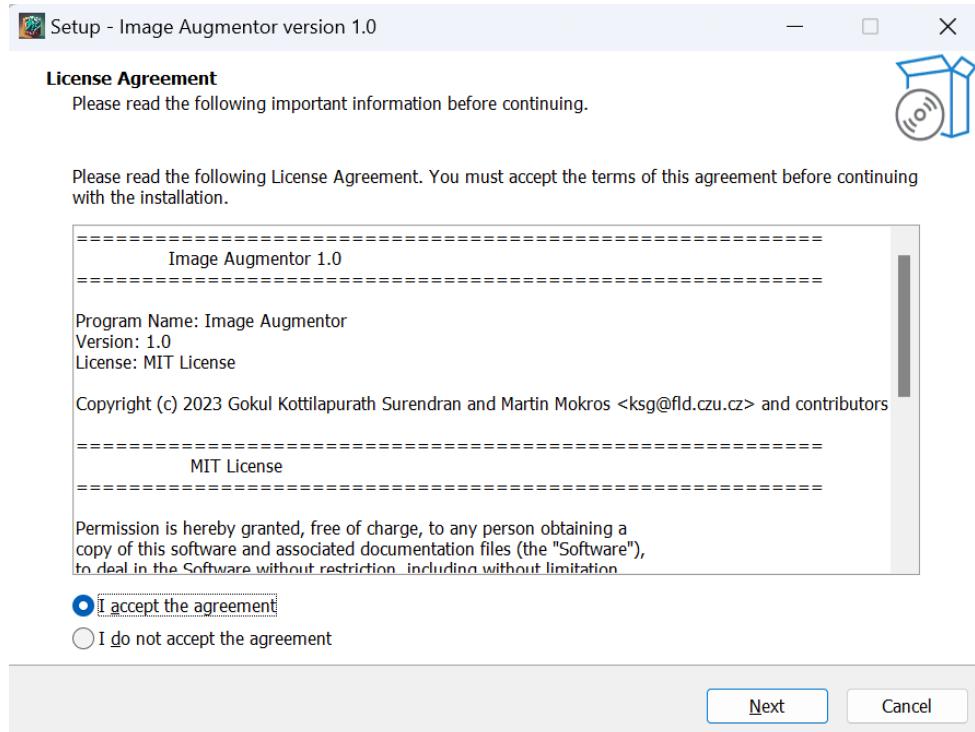
2.1. DOWNLOADING THE INSTALLER

Visit the official website or repository to download the Image Augmentor installer.

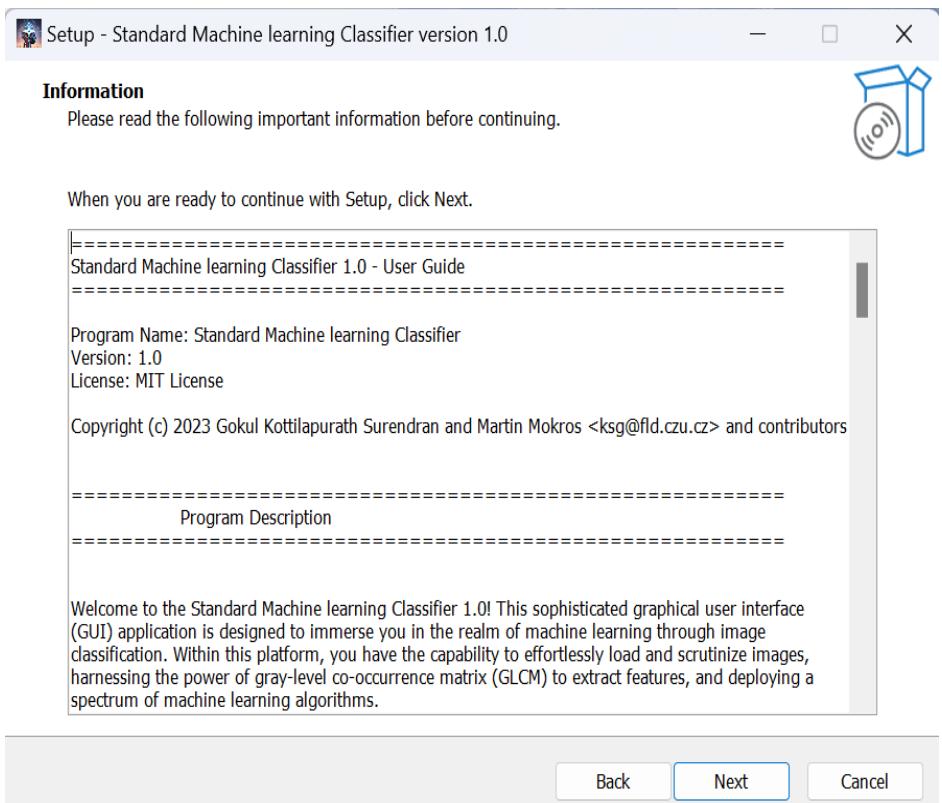
[Gokultcr/Image-Augmenter-version-1.0 \(github.com\)](https://github.com/Gokultcr/Image-Augmenter-version-1.0)

2.2. INSTALLATION PROCESS

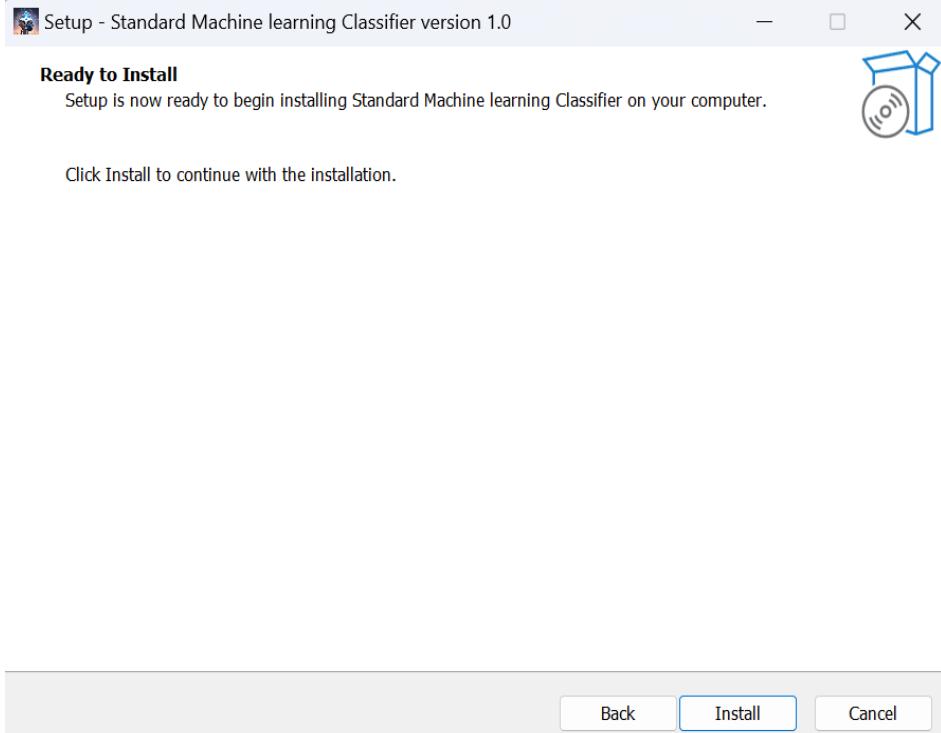
Run the installer and follow on-screen instructions for a seamless installation process.



Kindly proceed by selecting the 'I accept' option and then click on the 'Next' button



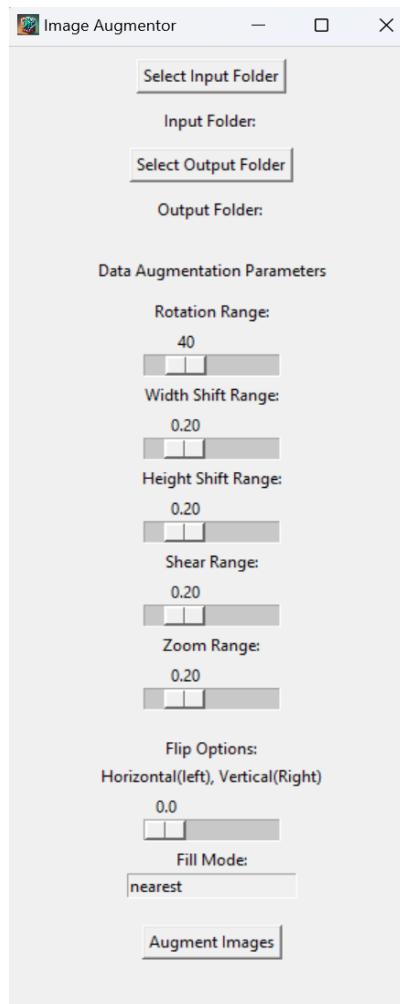
Please take a moment to review the fundamental operational details provided. Your attention to this basic working information is greatly appreciated.



Kindly proceed by clicking on the 'Install' option to initiate the application installation.

2.3. LAUNCHING THE PROGRAM

Upon successful installation, we kindly invite you to launch the program to commence your experience.



CHAPTER

3

GETTING STARTED

3.1. RUNNING THE APPLICATION

The main application interface will be like this:



3.2. LOADING IMAGE DATA

Please navigate to the 'Select Input Folder' option to open a folder containing image data.

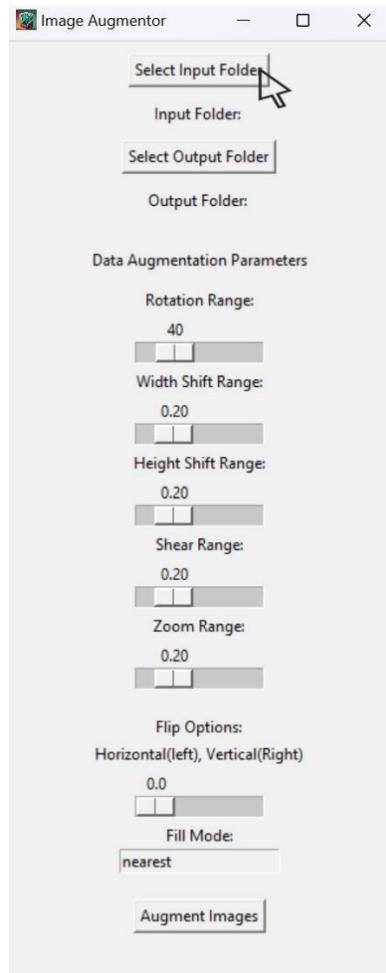


IMAGE AUGMENTOR 1.0

Upon selecting the datapath, you will find it displayed under the “Select Input Folder” option:



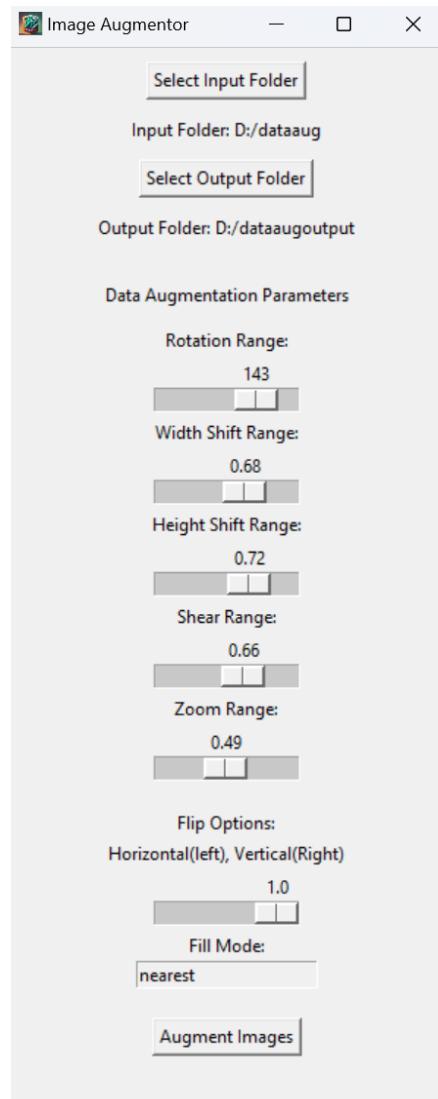
3.3. CHOOSING AN OUTPUT FOLDER

Kindly proceed by selecting an output folder for saving the generated dataset by clicking the option “Select Output Folder”



3.4. PARAMETER SETTINGS

Kindly consider adjusting parameter values for the desired image dataset.



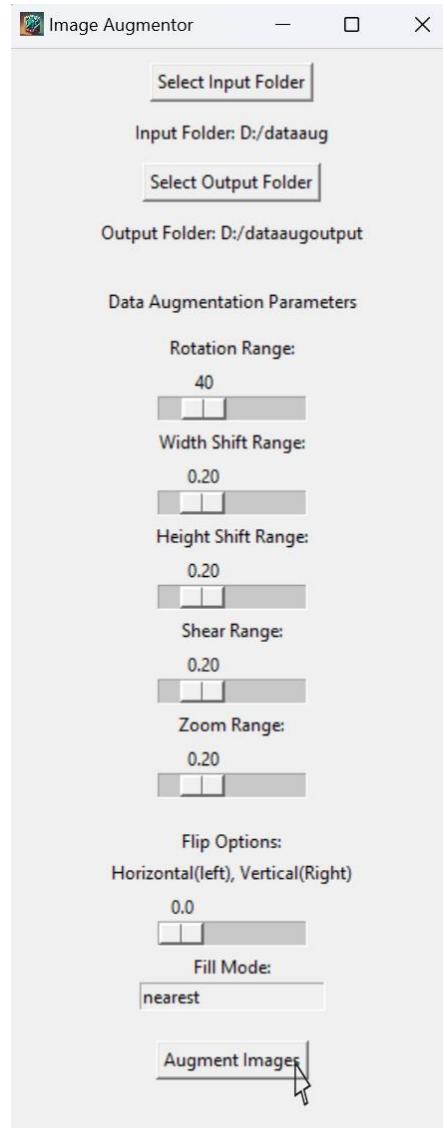
The parameter values for your consideration are as follows:

- Rotation range (0-180)
- Width Shift Range (0.00 - 1.00)
- Height Shift Range (0.00 – 1.00)
- Shear Range (0.00 - 1.00)
- Zoom Range (0.00 - 1.00)
- Flip options: Horizontal, Vertical
- Fill mode: Nearest

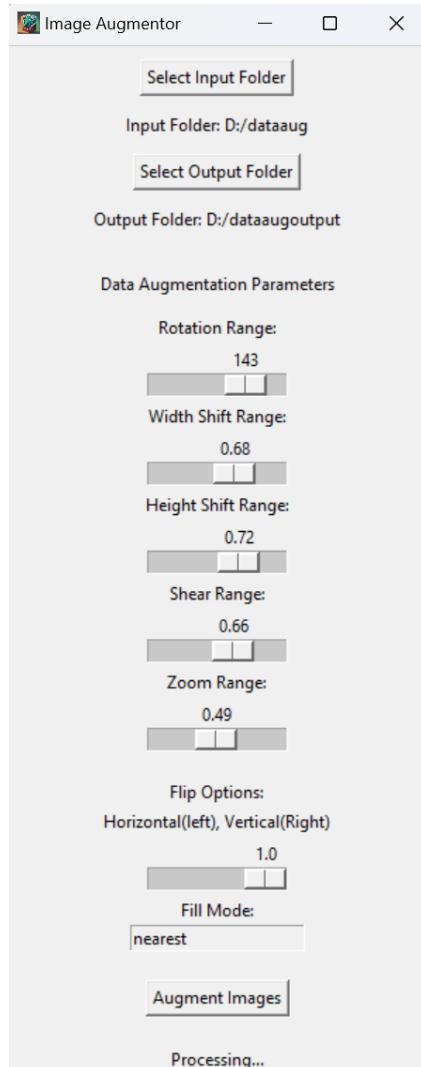
These parameters have been meticulously set to offer you a versatile range of options for fine-tuning your image generation. If you have any questions or need further clarification on any of these values, please feel free to reach out. Your satisfaction with our product is our priority.

3.5. PROCESSING IMAGES

Kindly proceed by clicking on the 'Augment Images' button, to start generating images.



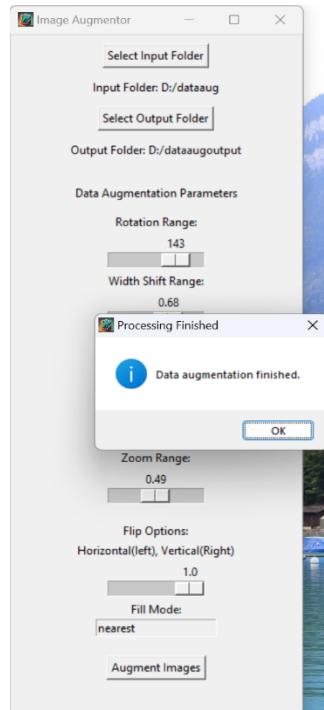
Upon initiation of the processing, the system will indicate 'Processing' to signify that the operation has commenced. Your patience during this phase is greatly appreciated.





RESULT

After the completion of processing, a popup will display “Data augmentation finished”. Kindly click 'OK' to finalize the process and go to the output folder.



Thank you 😊