# ARTIFICIAL INTELLIGENCE PROJECT

# DESKTOP APP AstutePDF

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## **AstutePDF**

AstutePdf is an app that performs PDF-based functions which are helpful for our day-to-day life. It features splitting a PDF, rotating a PDF, converting a document to pdf, and merging a PDF. Many of us face difficulties while doing the above process. But this app makes sure that it reduces the difficulties and it is a user-friendly app.

## Functions of the app:

The app "Astute Pdf" helps us in many ways such that there are no issues. It displays a dialog box when we open the app. It asks whether to rotate a pdf, split a pdf, convert a document into a pdf, and merge a pdf.

#### Merge a PDF:

After opening the app, it asks you to merge a PDF. Click on merge and a dialog box named "open" will show on your screen. It is asking you to open two files that needed to be merged. After selecting the file it asks you where to save it. After saving, it will open a PDF combined with two files.

## Split a PDF:

If you don't want to merge files, the next option is split. When you click on the function split the same dialog box will open and you have to select a file that is needed to be split. After that, it will save. The Pdf will be split into one-by-one page.

#### **Rotate a PDF:**

When we click on rotate a pdf, it asks how many degrees do you want to rotate and to rotates clockwise or counterclockwise. After finishing your work, it opens a dialog box asking what file do you want to rotate. After clicking the file, it asks where to save it. After saving the file, the rotated file will open.

#### Summaries a text document:

This function summaries a text document. If you click the function, it will ask yes or no., Click yes if you want to summaries. After clicking a text document,

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it summaries the document. For example, if the essay document words are 669, the summaries function brings the document to 300 words.

#### **Convert Docx to PDF:**

The final function of the app is converting a document into pdf. If you select a document and save it, it changes into a pdf.

## Softwares used to develop this app:

This app was made using python and uses a lot of features. For every function of the app, various softwares were used. They are,

### PyPDF 2:

Functions like merge, split and rotate Py PDF 2 software is used. This app makes use of Py PDF 2, utility software developed in python for performing simple PDF operations. For the purpose of creating this software, some of the functions like PDF File merger, PDF File reader, and PDF File writer were used.

### PyQT5:

The GUI for this application was created using the widgets from the PyQT5 Package and Tkinter.

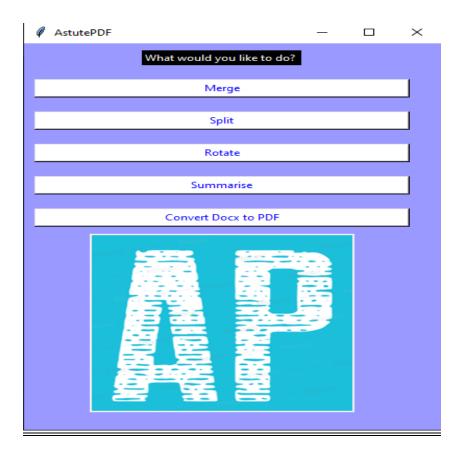
#### Colorama:

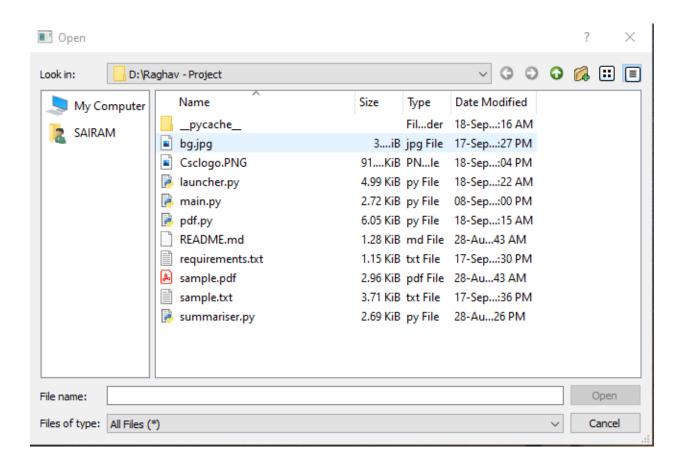
Provides a simple cross-platform API to print colored terminal text from Python applications. Used to highlight and distinguish the text.

#### Spacy:

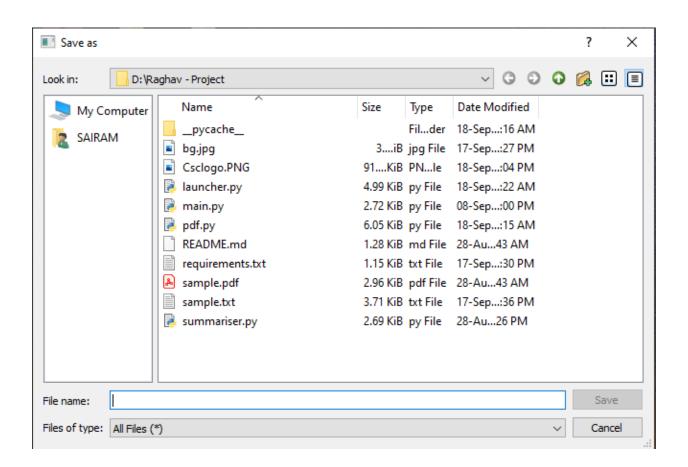
SpaCy is designed specifically for production use and helps you build applications that process and "understand" large volumes of text. It can be used to build information extraction or natural language understanding systems or to pre-process text for deep learning.

## Screenshots of the app:



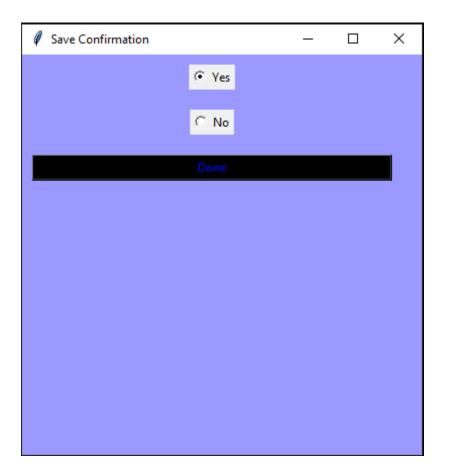


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## **Conclusion:**

This app is very simple and very easy to use. It took a lot of time for me to develop this app. I will be much happy that everyone who used this app give good comments and good feedback.

## For refences visit

**Here** 

App <u>link</u>

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