

OCR Using Tesseract and Tkinter

<https://github.com/ricktorzynski/ocr-tesseract-tkinter>

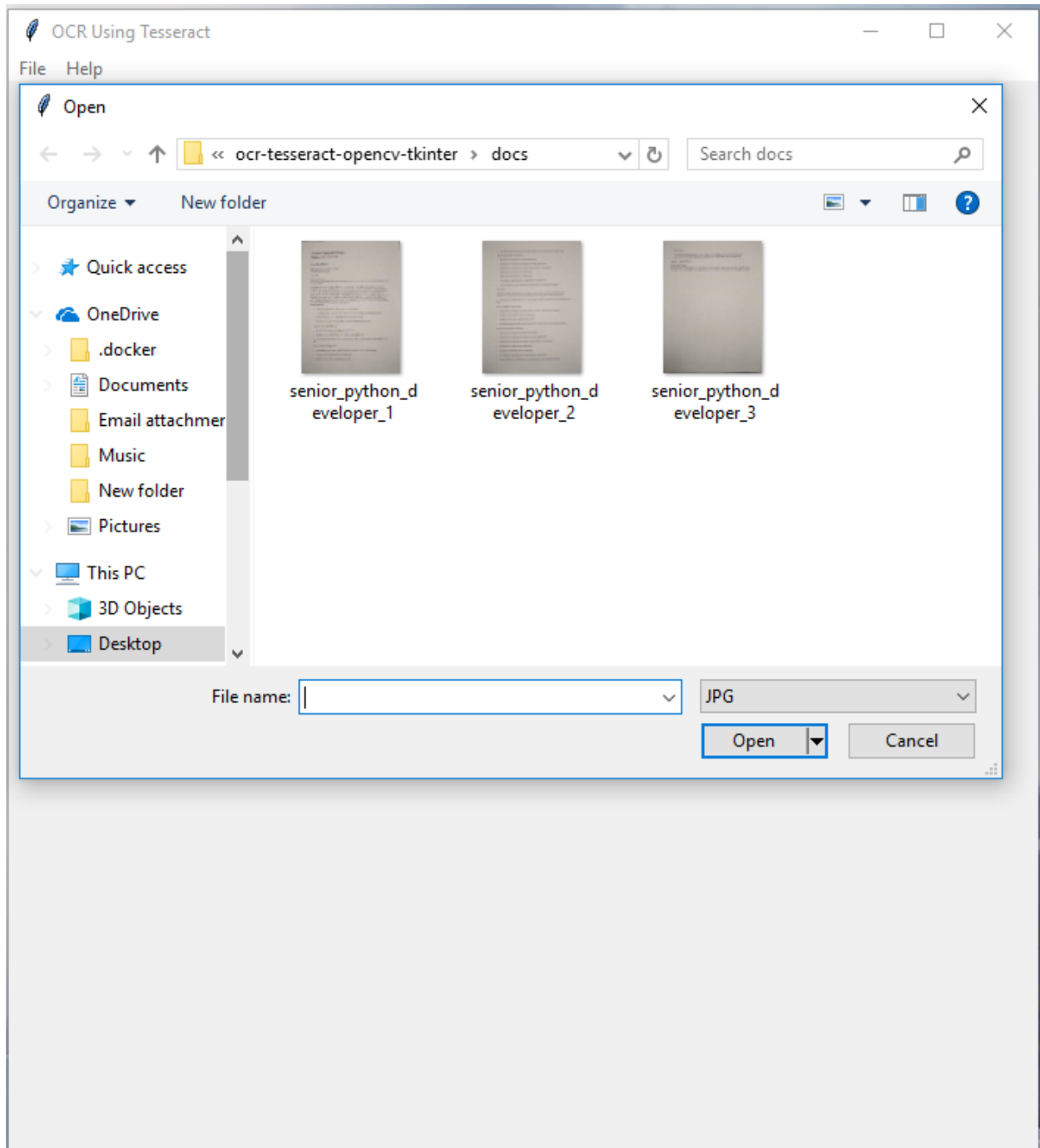
This is a demo OCR desktop application written in Python utilizing the Tesseract OCR engine for processing. Interface created using Tkinter library for desktop widgets. Images are preprocessed using OpenCV using threshold and median blur OpenCV functions. The resulting image is then passed to Tesseract to capture the text in the document and is appended to a textbox. With appending, the text from a multipage document could be captured. A Clear button will clear the captured text. A save function could be added, but is not needed at this time.

Future enhancements could include saving text to file, saving text to database, creating file structure for saving preprocessed images and captured text, introduction of additional algorithms for capturing text and images, editing text in an inline editor, and saving captured text into PDF.

OCR Using Tesseract - Version 0.5

Demonstration of using Python and Pytesseract in a desktop application for OCR.

Select Image :



Select Image :

File Size: 904597

Clear

OCR Using Tesseract - Version 0.5

Demonstration of using Python and Pytesseract in a desktop application for OCR.

Select Image :

File Name: senior_python_developer_2.jpg

File Size: 904597

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- Excellent analytical skills and strong written and verbal communication skills
Requirements (Nice-to-Haves):
- Experience or exposure to OCR technologies
- Experience or exposure to image processing algorithms
- Experience or exposure to numpy, scipy, opencv and skimage
- Experience or exposure to scikit-learn
- Experience with C#, Java or JavaScript
- Developing, deploying and scaling Docker components
- General exposure and familiarity with Machine Learning technologies

We are looking for a senior software engineer, preferably with 5+ years of experience in software development, computer vision, ML, etc.
- Experience working with one or more of the following technologies:
  - Python, C#, Java, JavaScript
  - TensorFlow, PyTorch, Keras, etc.
  - Docker, Kubernetes, etc.
  - AWS, Azure, GCP, etc.
  - Git, Jenkins, etc.
  - REST APIs, etc.
  - NoSQL databases, etc.
  - Cloud infrastructure, etc.
  - DevOps, etc.
  - Security, etc.
  - System architecture, etc.
  - Project management, etc.
  - Communication skills, etc.
Requirements (Must-Haves):
- Experience or exposure to OCR technologies
- Experience or exposure to image processing algorithms
- Experience or exposure to numpy, scipy, opencv and skimage
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Requirements (Nice-to-Haves):

- Experience or exposure to machine learning technologies
- Experience or exposure to data science or analytics
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Additional skills and experience that would be a plus include:

- Experience or exposure to data science or analytics
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- Experience or exposure to data science or analytics

Senior, Python, JavaScript,

- Experience or exposure to data science or analytics

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e Excellent analytical skills and strong written and verbal communication skills

Requirements (Nice-to-Haves):

R techno

age proc

mpy, sci

e Experience or exposure to scikit-learn

e Experience with C#, Java or JavaScript

e Developing, deploying and scaling Docker components

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About



This is a demo Tkinter project by Rick Torzynski

OK

Process

Clear