

AI-Powered Job  
Applicant  
Shortlisting: TAS -  
Top Applicant  
Speedpass



# Introducing AI for Job Applicant Shortlisting

Our software product uses AI to shortlist job applicants, making the recruitment process more efficient and accurate. GPT-3 is used to assess each job applicant's profile, and the best candidates are selected for further consideration.



# Benefits of AI-assisted Job Applicant Shortlisting

AI-assisted job applicant shortlisting offers several benefits. It can save time and resources, as the AI system can quickly and accurately assess each applicant's profile. It also eliminates the need for manual sorting and filtering of job applications.

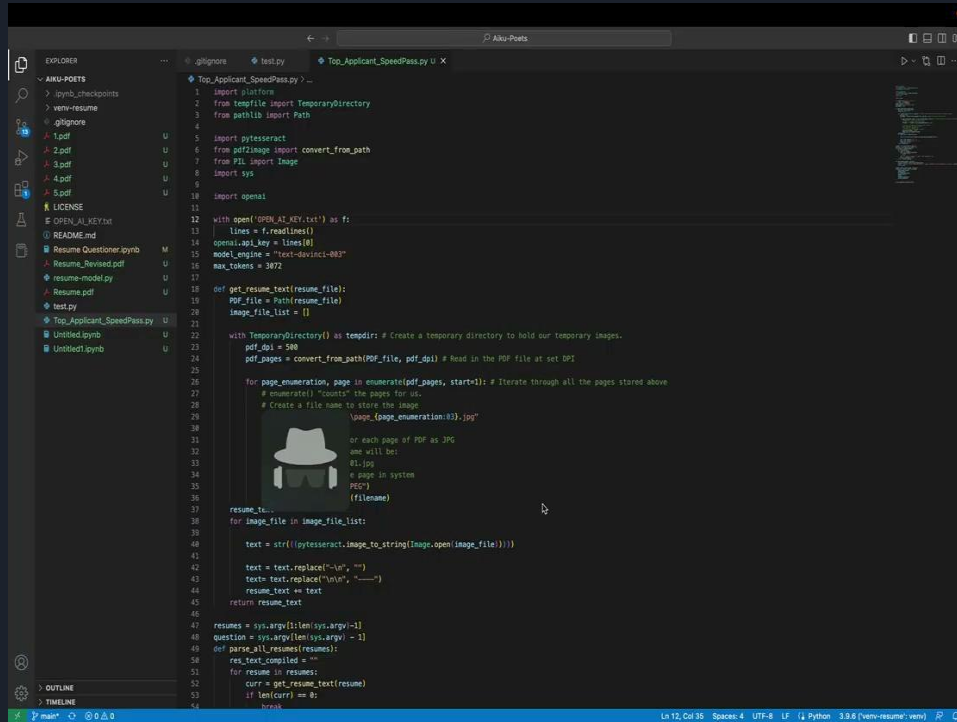


# Technologies Used

GPT-3 - OpenAI

Tesseract

# Demo



```
EXPLORER
  ANKI-POINTS
  > jsonl_directpoints
  > pdf-resume
  @.gitignore
  1.pdf
  2.pdf
  3.pdf
  4.pdf
  5.pdf
  LICENSE
  > OPEN_AI_KEY.txt
  README.md
  Resume_Questioner.py
  Resume_Revived.pdf
  resume-model.py
  Resume.pdf
  test.py
  Top_Aplicant_SpeedPass.py
  Untested.py
  Untested2.py

@.gitignore
test.py
Top_Aplicant_SpeedPass.py
1
import platform
2
from tempfile import TemporaryDirectory
3
from pathlib import Path
4
5
import pyesseract
6
from pdf2image import convert_from_path
7
from PIL import Image
8
import sys
9
10
import os
11
12
with open('OPEN_AI_KEY.txt') as f:
13
    lines = f.readlines()
14
    openai_api_key = lines[0]
15
    model_engine = "text-davinci-003"
16
    max_tokens = 3072
17
18
def get_resume_text(resume_file):
19
    PDF_file = Path(resume_file)
20
    image_file_list = []
21
22
    with TemporaryDirectory() as tempdir: # Create a temporary directory to hold our temporary images.
23
        pdf_dpi = 500
24
        pdf_pages = convert_from_path(PDF_file, pdf_dpi) # Read in the PDF file at set DPI
25
26
        for page_enumeration, page in enumerate(pdf_pages, start=1): # Iterate through all the pages stored above
27
            # enumerate() "counts" the pages for us
28
            # Create a file name to store the image
29
            #page_image_filename = f"{tempdir}/page_{page_enumeration:03}.jpg"
30
            # or each page of PDF as JPG
31
            # one will be:
32
            # 01.jpg
33
            # e image in system
34
            # ("C:\Program Files\Python\Python39\python.exe")
35
            filename =
36
            resume_text =
37
            for image_file in image_file_list:
38
39
                text = str(pyesseract.image_to_string(Image.open(image_file)))
40
41
                text = text.replace("\n", "")
42
                text = text.replace("\n\n", "\n\n\n")
43
            resume_text += text
44
        return resume_text
45
46
47
resumes = sys.argv[1:len(sys.argv)-1]
48
question = sys.argv[1+len(sys.argv) - 1]
49
def parse_all_resumes(resumes):
50
    res_text_compiled = ""
51
    for resume in resumes:
52
        curr = get_resume_text(resume)
53
        if len(curr) == 0:
54
            break
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```



Thank you!