

Parse Resume to JSON



Please parse the following resume and convert it into a JSON format. The JSON should include the following fields: `name`, `contact_information`, `summary`, `experience`, `education`, `skills`, and `projects`. Each field should be populated with the corresponding information from the resume. Input Resume:

[Your resume content here]

Output JSON:

```
{
  "name": "John Doe",
  "contact_information": {
    "email": "john.doe@example.com",
    "phone": "123-456-7890",
    "address": "123 Main St, Anytown, USA"
  },
  "summary": "Experienced software engineer with a strong background in developing scalable applications using Java, Python, and JavaScript.",
  "experience": [
    {
      "company": "Tech Solutions",
      "position": "Senior Software Engineer",
      "location": "New York, NY",
      "start_date": "January 2018",
      "end_date": "Present",
      "responsibilities": [
        "Lead a team of 5 developers to build and maintain a SaaS application.",
        "Designed and implemented RESTful APIs using Java and Spring Boot.",
        "Optimized database queries to improve performance by 30%."
      ]
    },
    {
      "company": "Web Innovations",
      "position": "Software Engineer",
      "location": "San Francisco, CA",
      "start_date": "June 2015",
      "end_date": "December 2017",
      "responsibilities": [
        "Developed front-end interfaces using React and Redux.",
        "Collaborated with designers to create user-friendly web applications.",
        "Implemented unit tests to ensure code quality and reliability."
      ]
    }
  ]
}
```

```

"education": [
  {
    "institution": "State University",
    "degree": "Bachelor of Science in Computer Science",
    "location": "Anytown, USA",
    "graduation_year": "2015"
  }
],
"skills": [
  "Java",
  "Python",
  "JavaScript",
  "React",
  "Spring Boot",
  "SQL",
  "Git"
],
"projects": [
  {
    "name": "E-commerce Website",
    "description": "Developed a full-stack e-commerce website using the MERN stack.",
    "technologies": [
      "MongoDB",
      "Express.js",
      "React",
      "Node.js"
    ]
  },
  {
    "name": "Mobile App",
    "description": "Created a cross-platform mobile app using Flutter and Dart.",
    "technologies": [
      "Flutter",
      "Dart"
    ]
  }
]
}

```



Please provide the actual content of the resume you'd like to parse, and I will convert it into the requested JSON format.



Sample Resume for PIBIT Question.pdf
PDF



Based on the provided resume content, here's the corresponding JSON format:

json

```
{
  "name": "Kanishk Kumar",
  "contact_information": {
    "email": "kb4464@srmist.edu.in",
    "phone": "123456789",
    "address": "Chennai, Tamil Nadu, India"
  },
  "summary": "This is a sample summary.",
  "experience": [
    {
      "company": "ABC Solutions",
      "position": "SDE",
      "location": "Chennai",
      "start_date": "2021",
      "end_date": "2025",
      "responsibilities": []
    }
  ],
  "education": [
    {
      "institution": "SRM Institute of Science and Technology",
      "degree": "",
      "location": "",
      "graduation_year": "2025"
    }
  ],
  "skills": [
    "C",
    "C++",
    "Python",
    "Java",
    "Image Processing",
    "Web Development"
  ],
  "projects": [
    {
      "name": "Stockiment",
      "description": "Stock Price Prediction based on Market Sentiment.",
      "technologies": []
    },
    {
      "name": "English Handwriting Recognition",
      "description": "Detect Handwritten images.",
      "technologies": []
    }
  ]
}
```

If there are any more details or fields you would like to include, please let me know.



can you write a python code for the same?



Sure! Here's a Python script to convert the given resume content into the specified JSON format:

python

```
import json

# Resume content
resume = {
    "name": "Kanishk Kumar",
    "contact_information": {
        "email": "kb4464@srmist.edu.in",
        "phone": "123456789",
        "address": "Chennai, Tamil Nadu, India"
    },
    "summary": "This is a sample summary.",
    "experience": [
        {
            "company": "ABC Solutions",
            "position": "SDE",
            "location": "Chennai",
            "start_date": "2021",
            "end_date": "2025",
            "responsibilities": []
        }
    ],
    "education": [
        {
            "institution": "SRM Institute of Science and Technology",
            "degree": "",
            "location": "",
            "graduation_year": "2025"
        }
    ],
    "skills": [
        "C",
        "C++",
        "Python",
        "Java",
        "Image Processing",
        "Web Development"
    ],
    "projects": [
        {
            "name": "Stockiment",
            "description": "Stock Price Prediction based on Market Sentiment.",
            "technologies": []
        },
        {
            "name": "English Handwriting Recognition",
            "description": "Detect Handwritten images.",
            "technologies": []
        }
    ]
}

# Convert the resume dictionary to a JSON string
resume_json = json.dumps(resume, indent=4)

# Save the JSON string to a file
with open("resume.json", "w") as file:
```

```
file.write(resume_json)

print("Resume has been converted to JSON and saved as resume.json")
```

This script creates a dictionary with the resume content and then converts it to a JSON string. The JSON string is saved to a file named `resume.json`. Adjust the dictionary's content if there are any additional details or corrections needed.



i want the script to read a pdf and parse it to json



Sure, here's a Python script that reads the provided PDF resume and parses it into JSON format using the `PyPDF2` and `json` libraries:

1. Install the necessary libraries if you haven't already:

```
bash
```

```
pip install PyPDF2
```

2. Use the following script to read the PDF and parse it to JSON:

```
python
```

```
import PyPDF2
import json

# Function to extract text from PDF
def extract_text_from_pdf(pdf_path):
    with open(pdf_path, "rb") as file:
        reader = PyPDF2.PdfReader(file)
        text = ""
        for page in range(len(reader.pages)):
            text += reader.pages[page].extract_text()
    return text

# Function to parse the extracted text into a structured dictionary
def parse_resume(text):
    lines = text.split('\n')
    resume = {
        "name": lines[0].split(":")[1].strip(),
        "contact_information": {
            "email": lines[3].split(":")[1].strip(),
            "phone": lines[2].split(":")[1].strip(),
            "address": lines[4].split(":")[1].strip()
        },
        "summary": lines[6].strip(),
        "experience": [
            {
                "company": lines[8].split(" at ")[0].split(":")[1].strip(),
                "position": lines[8].split(" at ")[0].split(" ")[1],
                "location": lines[8].split(" at ")[1].split(" ")[0],
                "start_date": lines[8].split(", ")[1].split("-")[0].strip(),
                "end_date": lines[8].split(", ")[1].split("-")[1].strip(),
            }
        ]
    }
```

```

        "responsibilities": []
    },
    ],
    "education": [
        {
            "institution": lines[10].split(" ")[0],
            "degree": "",
            "location": "",
            "graduation_year": lines[10].split(" ")[-1]
        }
    ],
    "skills": [skill.strip() for skill in lines[12].split(":")[1].split(",")],
    "projects": [
        {
            "name": lines[14].split(":")[0].strip(),
            "description": lines[14].split(":")[1].strip(),
            "technologies": []
        },
        {
            "name": lines[15].split(":")[0].strip(),
            "description": lines[15].split(":")[1].strip(),
            "technologies": []
        }
    ]
}
return resume

# Main function
def main():
    pdf_path = "Sample Resume for PIBIT Question.pdf" # Path to your PDF file
    text = extract_text_from_pdf(pdf_path)
    resume = parse_resume(text)

    # Convert the resume dictionary to a JSON string
    resume_json = json.dumps(resume, indent=4)

    # Save the JSON string to a file
    with open("resume.json", "w") as file:
        file.write(resume_json)

    print("Resume has been converted to JSON and saved as resume.json")

if __name__ == "__main__":
    main()

```

Ensure the PDF file is in the same directory as the script or update the `pdf_path` variable to the correct path of your PDF file. This script reads the PDF, extracts the text, parses the text into a structured dictionary, and then converts it to a JSON format, saving it to a file named `resume.json`. Adjust the parsing logic as needed to match the exact format of your resume.

ChatGPT can make mistakes. Check important info.