Resume Raja 👑

Where Your Resume Rules!

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1. Introduction

Welcome to **Resume Raja**, the app **Where your Resume Rules!** This tool automates resume screening using advanced AI techniques, evaluating resumes based on extracted skills and experience to help recruiters with candidate shortlisting. It offers tools such as ATS compatibility scoring, mock interviews, spell checking, and a resume database.

Live Project: You can access and use the app directly here: Resume Raja App

2. Project Overview

Resume Raja is designed to streamline the resume screening process using generative AI technology. It efficiently processes resumes in PDF format, extracting critical information, scoring candidates on their experience levels (including AI/ML and Generative AI), and presenting the results in a structured Excel output.

3. Setup and Installation

Prerequisites

- Python 3.10.0
- Required libraries (listed in `requirements.txt`)

Installation Steps

To run Resume Raja locally, follow these steps:

Clone the repository:

```
git clone https://github.com/suyogb/resume-raja.git

cd resume-raja
```

Install the required dependencies:

```
pip install -r requirements.txt
```

Run the application:

```
streamlit run 1_👑_Homepage
```

4. Using Resume Raja

ATS System

The ATS (Applicant Tracking System) feature allows users to upload a resume and job description (JD) to receive a compatibility score based on matching skills and job requirements.

1. Upload a resume (PDF format).
2. Paste the Job Description (example: from LinkedIn) .
3. View the compatibility score and analysis.

Spell Checker

The built-in spell checker scans resume for errors and formatting issues, suggesting improvements.

1. Upload a resume.
2. Receive corrections for any detected errors.

Mock Interview

Simulate an AI-powered interview to practice for real-world job interviews.

1. Upload a resume.
2. Choose an interview type (Technical or HR).
3. Enter desired Job role you are applying for.
4. Answer 21 questions tailored to the uploaded resume.

Upload to Database

This feature allows users to upload resumes to a database for future reference or searching.

1. Upload the resume.
2. Relevant information is extracted and stored.

Recruiter Mode

For recruiters, this feature provides a search tool to find candidates by specific job roles or skills.

1. Input job criteria or skills.
2. View a list of candidates that match the requirements.
3. Download CSV file in one click.

5. Batch Resume Processing

Resume Raja supports batch processing of up to 100 resumes at a time. To process a batch of resumes:

1. Upload a folder containing multiple resumes (PDF format).
2. The app will analyze the resumes and output an Excel file with relevant fields and scores.

6. Output File Format

The results from Resume Raja are provided in an Excel file. Key fields in the output include:

- Name
- Contact details
- University
- Year of Study
- Course
- Discipline
- CGPA/Percentage
- Key Skills
- Gen AI Experience Score
- AI/ML Experience Score
- Additional Information (certifications, projects, internships)

Each resume is scored on experience levels (AI/ML and Generative AI) on a scale of 1-3:

- 1: **Exposed**

- 2: **Hands-on**
- 3: **Advanced**

7. Key Features and Innovations

- **Generative AI Integration**: Leverages GPT-based models for extracting resume data and scoring.
- **Batch Processing**: Process up to 100 resumes simultaneously for scalable recruitment.
- **Resume Scoring**: Provides compatibility and experience scores based on resume content and the job description.
- **Mock Interviews**: Uses AI to simulate interviews and prepare candidates.
- **Recruiter Mode**: Helps recruiters easily search and filter resumes based on specific criteria.

8. Appendix

Live App Link:

To experience the app, live and test the functionalities yourself, visit:

[Resume Raja Live App](#)

For further assistance, please refer to the following resources:

- [Source Code Repository](#)
- [Video Walkthrough](#)

This manual provides a comprehensive guide to setting up, running, and using **Resume Raja**. By leveraging the power of generative AI, this app ensures that **your resume truly rules!**

Conclusion

With **Resume Raja**, automating the resume analysis process has never been easier. The combination of AI-driven resume extraction, scoring, and recruiter tools make it a powerful solution for both job seekers and recruiters. By following this guide, users can maximize the efficiency and effectiveness of their resume screening workflows.