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Project Synopsis

# RESUME PARSER

*A Résumé parsing tool that converts an unstructured form of resume data into a structured format.*

## #INTRODUCTION

- The Main Objective of this tool is to analyze Applicant's Resume Using Resume Parser Technique and Some Algorithm.
- It Can be Used by any Organizations (Company/College/Individual User) that handle resume screening process.
- The tool keep's a track of all records into database for further admin side analysis.
- Provides Tips and Recommendations based on their resume.

## #Advantages & Features of Proposed Tool

- Tracks and Sort Resume Based on Job Roles.
- Fast, Safe, Real-time Predictions.
- More Efficient Review Overall.
- Applicant's Side
  - Applicant's can upload their resume.
  - Using Parsing technique, it will fetch
    - Basic Info
    - Level of Expertise
    - Skills
    - Keys (for resume scoring)
  - Using Some Algorithm, it will recommend
    - Skills that can be added
    - Job role you are looking for
    - Your Expertise Level
    - Course & Certificate recommendations
    - Resume Tips & Ideas
    - Resume Overall Score
    - Interview & Resume Tip (YouTube Videos)

### ➤ Admin Side

- Get's all the applicant data into a tabular format.
- Download data into csv file.
- Pie Chart for Predicted Field/roles according to skills.
- Pie Chart of user's experience level.
- Total Number of applicants have uploaded their resumes.
- Monthly Timeline.
- Activity Maps
  - Most Busy Day
  - Most Busy Month

## #Disadvantage of Current System i.e. (Manual Resume Screening)

- Time Consuming.
- It is challenging task to handle resume manually.
- Requires individual review of each resume from hiring managers
- The same amount of time and effort is often expended for candidates who are qualified as the ones who are.

## #Technologies Used

- Frontend
  - Managed By Streamlit
- Backend
  - Managed By Streamlit
- Database
  - SQLite

- Programming Language
  - Python3
- Packages (pip)
  - Pandas
  - Base64
  - Numpy
  - PyResparser
  - PdfMiner
  - Plotly

## #Requirements

- A Laptop/Desktop
  - Connected with Internet and has a browser
  - Import SQLite
- Single Network Connection
  - So that other devices can connect through network URL
- A Simple Format Resume to test the tool

## #Limitations of Proposed Tool

- May not give you accurate result because of different resume formats.

## #Conclusion

- A Quick and easy to use Resume Analyzer
  - That parsing resume data and extract it into machine-readable output
  - Helps applicants with few recommendations.
  - And helps automatically store, organize, and analyse resume data to find the best candidate.

## #Reference

- <https://www.ijitee.org/wp-content/uploads/papers/v9i7/F4078049620.pdf>
- [https://www.academia.edu/32543544/Resume\\_Parser\\_with\\_Natural\\_Language\\_Processing](https://www.academia.edu/32543544/Resume_Parser_with_Natural_Language_Processing)
- <https://www.rchilli.com/blog/resume-parsing-101/>
- [https://en.wikipedia.org/wiki/R%C3%A9sum%C3%A9\\_parsing](https://en.wikipedia.org/wiki/R%C3%A9sum%C3%A9_parsing)