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Project Synopsis

RESUME ANALYSER

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

#Requirements

- A Laptop/Desktop ○ Connected with Internet and has a browser ○ Installed MySQL
- 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 analyse 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
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