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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 expelled 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

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