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

- o Applicant's can upload their resume.

- o Using Parsing technique, it will fetch
  - ▪ Basic Info
  - ▪ Level of Expertise
  - ▪ Skills
  - ▪ Keys (for resume scoring)

- o 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

  - o Get's all the applicant data into a tabular format.

  - o Download data into csv file.

  - o Pie Chart for Predicted Field/roles according to skills.

  - o Pie Chart of user's experience level.

  - o Total Number of applicants have uploaded their resumes.

  - o Monthly Timeline.

  - o 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**
  - o Managed By Streamlit

- ➢ **Backend**
  - o Managed By Streamlit

- ➢ **Database**
  - o MySQL

➢ **Programming Language**
  o **Python3**

➢ **Packages (pip)**
  o **Pandas**
  o **Base64**
  o **Numpy**
  o **PyResparser**
  o **PdfMiner**
  o **Plotly**

#Requirements

- **A Laptop/Desktop**
  o **Connected with Internet and has a browser**
  o **Installed MySQL**

- **Single Network Connection**
  o **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**
  o **That analyse resume data and extract it into machine-readable output**
  o **Helps applicants with few recommendations.**
  o **And helps automatically store, organize, and analyse resume data to find the best candidate.**

#Reference

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