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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](https://www.academia.edu/32543544/Resume_Parser_with_Natural_Language_Processing)
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