



Resumé Parser

Karamjot Kaur
Ritika Mohanty
Stuti Aggarwal

M.Sc. CS Semester I
Department of Computer Science
University of Delhi



Overview

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- Problem Statement
- Use Case Diagram
- Workflow Diagram
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- Query Processing
- NLP

Introduction

People with distinctive personalities originate from various professions and social circles. They each have a distinct writing style and have worked on a range of projects. Each resumé is distinctive as a result.

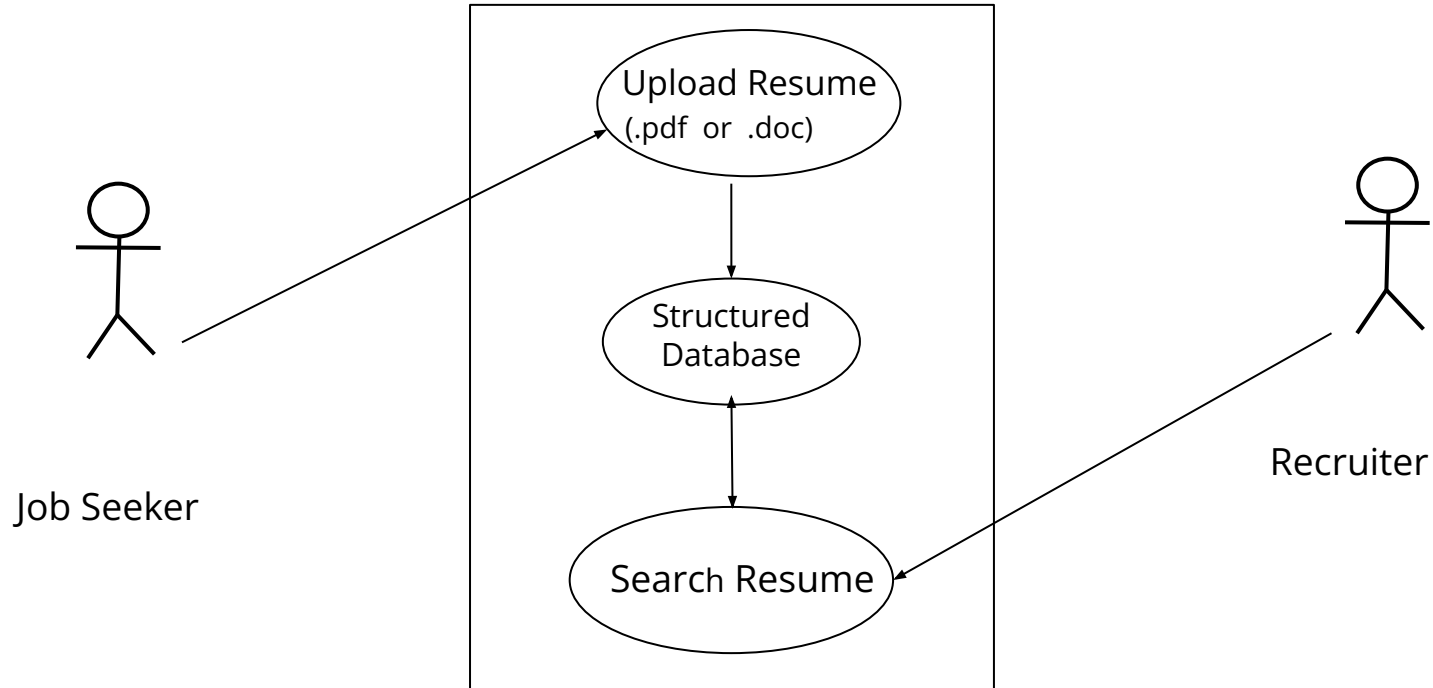
Recruiters must shift through countless online resums. After receiving the resumé, executives summarise it, manually add particular details to their database, and then phone the candidate for job counselling. Each resumé takes about 15 to 20 minutes of executive time before being summarised and entered into the database.

The automation of this process will be aided by this initiative.

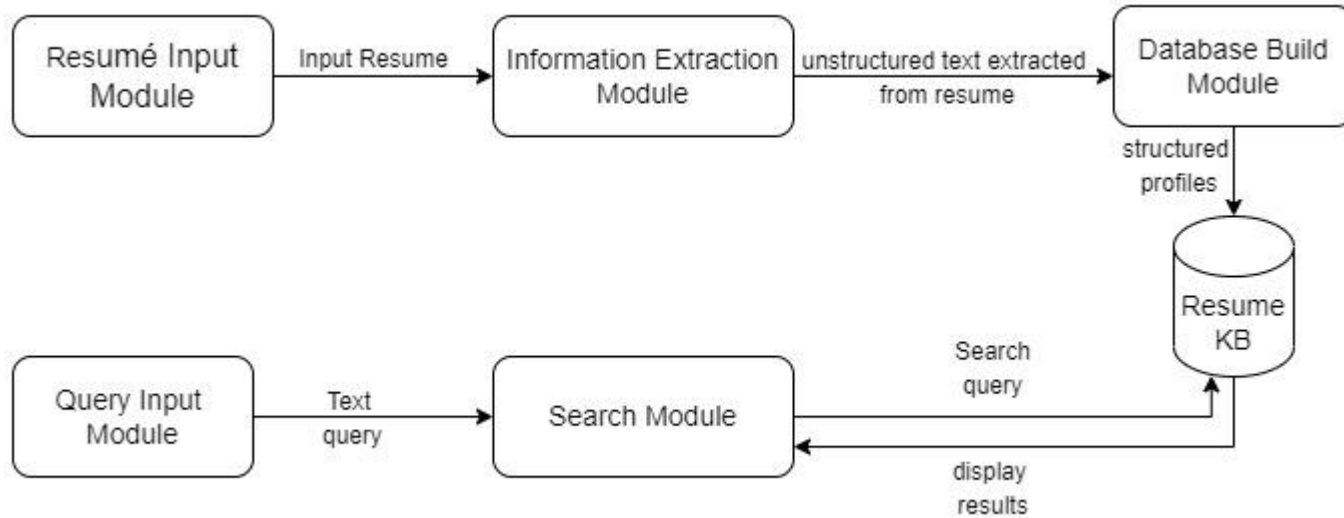
Problem Statement

- **Job seekers** can upload their resumé as a .pdf or .doc file. System must retrieve unstructured data from various resumé formats. Parse this unstructured data to extract relevant data in a structured format to create a user profile.
- **Recruiters** enter a text query that defines the criteria for resume screening. Identify the tags in the query and map them to the structured profiles stored in the database. Order and display the profiles based on some similarity index.

Use Case Diagram



Workflow Diagram



Resumé Processing

Alice Clark

alice.clark39@gmail.com
9811272399

Delhi, India Email me on Indeed

- 20+ years of experience in data handling, design, and development
- Data Warehouse: Data analysis, star/snowflake schema data modelling and design specific to data warehousing and business intelligence

Willing to relocate anywhere

WORK EXPERIENCE

Software Engineer

Microsoft – Bangalore, Karnataka

January 2000 to Present

1. Microsoft Rewards Live dashboards:

Description: - Microsoft rewards is loyalty program that rewards Users for browsing and shopping online. Microsoft Rewards members can earn points when searching with Bing, browsing with Microsoft Edge and making purchases at the Xbox Store, the Windows Store and the Microsoft Store.

EDUCATION

Indian Institute of Technology – Mumbai (2001)

SKILLS

Machine Learning, Natural Language Processing, and Big Data Handling

ADDITIONAL INFORMATION

Professional Skills

- Excellent analytical, problem solving, communication, knowledge transfer and interpersonal skills with ability to interact with individuals at all the levels
- Quick learner and maintains cordial relationship with project manager and team members and good performer both in team and independent job environments
- Positive attitude towards superiors & peers
- Supervised junior developers throughout project lifecycle and provided technical assistance

“ Alice Clark alice.clark39@gmail.com 9811272399 Delhi, India Email me on Indeed 20+ years of experience in data handling, design, and development Data Warehouse: Data analysis, star/snowflake schema data modelling and design specific to data warehousing and business intelligence Willing to relocate anywhere WORK EXPERIENCE Software Engineer Microsoft – Bangalore, Karnataka January 2000 to Present 1. Microsoft Rewards Live dashboards: Description: - Microsoft rewards is loyalty program that rewards Users for browsing and shopping online. Microsoft Rewards members can earn points when searching with Bing, browsing with Microsoft Edge and making purchases at the Xbox Store, the Windows Store and the Microsoft Store. EDUCATION Indian Institute of Technology – Mumbai (2001) SKILLS Machine Learning, Natural Language Processing, and Big Data Handling ADDITIONAL INFORMATION Professional Skills• Excellent analytical, problem solving, communication, knowledge transfer and interpersonal skills with ability to interact with individuals at all the levels Quick learner and maintains cordial relationship with project manager and team members and good performer both in team and independent job environments Positive attitude towards superiors peers Supervised junior developers throughout project lifecycle and provided technical assistance ”

Resumé Processing (Contd.)

Name	Alice Clark
E-mail	alice.clark39@gmail.com
Phone Number	9811272399
Skills	Machine Learning, Natural Language Processing, Big Data Handling
Education	Indian Institute of Technology – Mumbai (2001)
Experience	Software Engineer Microsoft – Bangalore, Karnataka January 2000 to Present

Query Processing

Resume KB

Recruiter's Query:

AI Engineer with a minimum of 3 years of experience in the industry and proficient in NLP

Name	Email	Phone Number	Skills	Education	Experience
Alice	xyz.98@mail.com	9985414525	AI, NLP	IITB	JPMorgan, 3 years Deloitte, 1 year
John	jon.99@yahoo.com	9875632198	Data Science	NSUT	Wipro, 5 years
Mike	mike.34@yahoo.com	9865421736	Data Mining	IIT, Delhi	Quantiphi, 2 years
Ruby	ruby21@gmail.com	9999658872	AI, C++	NSIT	Amazon, 4 years
Anna	ana123@gmail.com	984542423	Java, Data Analytics	DUCS	Accenture, 3 years Microsoft, 2 years
Rohan	rohan34@gmail.com	9090898933	Cloud computing	JNU	Infosys, 4 years

NLP

Businesses are inundated with unstructured data, and it's impossible for them to analyse and process all this data without the help of **Natural Language Processing (NLP)**.

Why NLP?

One of the main reasons NLP is so critical in businesses is that it can be used to analyse large volume of data. All this business data contains a wealth of valuable insights, and NLP can quickly help businesses discover what those insights are, reducing human time and effort.

Thank You