Smart-Resume-Interpreter-And-Job-Alert-System

Parth Patel
pvpatel2@ncsu.edu
NC State University
North Carolina, USA

Neel Shah
nshah26@ncu.edu
NC State University
North Carolina, USA

Jay Shah
jshah7@ncsu.edu
NC State University
North Carolina, USA

Harshil Shah
hshah6@ncsu.edu
NC State University
North Carolina, USA

Ameya Tathavadkar
atathav@ncsu.edu
NC State University
North Carolina, USA

ABSTRACT

The idea of this document is to summarize the purpose, functionality and the overall design of the application built as a part of the SE Fall 2021 batch project. S.R.I.J.A.S i.e Smart-Resume-Interpreter-And-Job-Alert-System which provides suggestions to all the relevant jobs opportunities to the user which are available in the market. The technologies used and future scope is summarized in the following sections.

KEYWORDS

Job Tracking,Jobs,Resume,Job Listings, Linkedin,Glassdoor,scrapping

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1 INTRODUCTION

Applying for jobs can be very frustrating. All jobs have a separate alert system on their portal. Since, there are thousands of jobs,so it becomes impossible to keep the track of new job openings. The main aim of building the application is to provide people with new job openings that are available and apply for the same. The application will provide with the new job openings on Linkedin and Glassdoor that are relevant to the user.

2 APPLICATION OVERVIEW

As noted in the introduction, the application built will notify the user about the new job openings. When the user enters in the interface, he will enter the name, email id, job title to search for and the resume of the user. If the skills of the user matches with the requirements given in the job description, then links of the job postings will be sent to the user via email as scheduled.

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2.1 Future Scope

The idea is to have more advanced features for the user such as:

1. Allow more advanced filters
2. Integrate the web portal with the login service
3. Create a system to store user profiles and generate insights from it.
4. Allow users to select previously uploaded resumes to preview
5. Develop a dashboard to display user analytics

3 KERNEL BEST PRACTICES FOLLOWED

The overall project was built following the best practices in software development. Below are listed all the kernel best practices and it's implementation with examples in the defined project:

3.1 Zero Internal Boundaries

We ensured that everyone in the team has access to all the tools being used. The back-end was coded using Python and PHP and the team members were comfortable using the same.The front end of the application was developed using HTML5 and bootstrap that was compatible with the systems used by all team members. Three AWS Servers were used as a part of infrastructure to make the process easy. Since most languages were known by everyone in the team, we were easily able to communicate and also complete our own pieces.

3.2 Short Release Cycle

The overall release cycle focused on delivering MVP version of the application and hence there were no shorter releases in the window of 4- weeks. Almost all codes were pushed in a span of 2-3 days and a few bug fixes were pushed after a testing cycle.

3.3 Distributed Development Model

The overall work was divided well amongst all team members considering the everyone's schedules. Once the project idea was brainstormed and aligned upon, two of us heavily worked on front-end and the rest three on back-end and documentation. However, everyone was aware of the statuses and progress across all the divisions.

3.4 Consensus Oriented Model

There were several discussions and brainstorm meetings that happened to align on the overall project idea, the outcomes that we wanted to achieve and overall design we wanted to follow. As we progresses through developing the system, all the issues, uncertainties and challenges were discussed, opinions were heard

3.5 No Regression Rule

Currently, the scope does not have any issues that would require regression testing.The future scope however does define various modules / additional functionality that would require regression testing of the complete system.