

Online Job Portal System

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Abstract-

The "Online Job Portal System" aims to automate manual processes using user-friendly computer software and equipment, ensuring efficient data storage and retrieval. It prioritizes meeting user needs and facilitating extended storage of vital information. With readily available and easy-to-use gear and software, the system promises efficient and dependable management. By minimizing the focus on record maintenance, it enables users to concentrate on their activities, optimizing resource utilization. Organizational productivity is enhanced through streamlined record-keeping, eliminating duplicate entries. This approach ensures quick and relevant access to information, minimizing distractions from irrelevant data. Ultimately, the system strives to improve client services and performance while simplifying management tasks.

Keywords – client service, irrelevant data, dependable management.

INTRODUCTION

In today's digital era, the process of finding jobs and recruiting talent has significantly shifted from traditional methods to online platforms. An **Online Job Portal** is a web-based application designed to bridge the gap between **job seekers** and **employers** by providing a centralized platform for job search, application, and recruitment. The primary goal of this project is to develop a dynamic and user-friendly job portal system where individuals seeking employment can register, search for job opportunities, and apply online, while employers can post vacancies, view applications, and manage hiring processes efficiently. This system minimizes manual effort, streamlines communication, and ensures faster recruitment. It also allows users to manage their profiles, upload resumes, and track application statuses. On the other hand, employers can access a wide talent pool, review candidate details, and send interview invitations directly from the platform. The job portal is built using modern web technologies with a clear focus on usability, scalability, and automation. It aims to provide a **reliable, efficient, and accessible solution** for both candidates and recruiters in the competitive job market. An online job portal system is a tool that links companies with job searchers. Companies provide the resources, and job seekers locate and apply for jobs that match their interests. PHP and MySQL databases are used in the online job portal system. This project maintains records for the administrator, job seeker, and employer. The three parts of the online job portal system are called Job seeker, Employer, and Admin.

LITERATURE REVIEW

Online job portals have revolutionized recruitment processes, providing efficient platforms for job seekers and employers to connect. User experience is crucial, with intuitive navigation and personalized recommendations significantly impacting satisfaction. Advanced matching algorithms enhance job relevance and streamline candidate selection. The widespread adoption of these portals has led to increased job mobility and expanded access to opportunities. Challenges like algorithmic bias and privacy concerns require ongoing research and regulation. Longitudinal studies are crucial for understanding their long-term impact on employment dynamics. Collaboration among researchers, stakeholders, and policymakers is essential for optimizing benefits and mitigating risks.

EXISTING SYSTEM

Under the current system, job seekers must look for openings through print and visual media. Candidates must use traditional methods to apply for employment and show up for interviews at a designated location and on a designated day. Employers must post job openings, organize candidate information, carry out the selection process, and finish all necessary paperwork. This method is laborious and expensive in terms of time and resources.

PROPOSED SYSTEM

The suggested system is an online application that enables companies and candidates to register their information. Candidates can peruse the stated job vacancies' details and submit their applications online. Companies can choose qualified applicants by looking through the resumes that have been posted. Candidates can access a variety of job openings offered by different firms using the

system. Individuals can effortlessly peruse the accessible prospects, customising their search according to their inclinations, including region, sector, or nature of work. Applications can be submitted online in a matter of clicks, saving both parties time and doing away with the necessity for traditional paper-based submissions. Employers can easily peruse the resumes and profiles of potential candidates by using the system. Employers may effectively filter through the candidate database to identify qualified candidates for their openings by indicating their preferences and job requirements. Employers may find possible candidates that fit their requirements fast with options like advanced filtering and keyword search.

MODULES DESCRIPTION

5.1 Admin modules:

Functionalities relevant to administrators are provided by this module. The administrator oversees the whole application process and keeps track of the job candidate and employer profiles.

Dashboard: This part gives the administrator a quick overview of all jobs, all employers, all candidates, and all jobs combined. **Job Category:** The administrator can add, edit, and delete jobs in this section.

List of Employers: The administrator can access this part to view the list of employers and view each employer's details.

Reg Job seeker: The administrator can examine the list of applicants (job seekers) as well as the specifics of each candidate in this area.

Pages: The administrator can control the contact and about us pages in this section.

Reports: Admins can create reports in this section detailing the number of employers and applicants who register between two dates.

Search: Using the company name and mobile number fields, the administrator can look up a specific employer or candidate in this section.

5.2 Employers module

Employer-related functions are offered by this module. Employers are able to post job opening details and update them as needed. Employers have various factors to choose from when sifting through applicant resumes.

Jobs: Employers can post and manage jobs in this section.

Candidates List: Employers can browse the list of applicants in this section and communicate the candidates they have chosen.

Reports: Employers can check the number of candidates who apply for a job during specific time periods in this section. Additionally, the employer has the ability to reset, modify, and update his password.

5.3 Candidates (Jobseeker) Modules

Home: Candidates can view and apply for jobs advertised by employers in this section.

Jobs Applied: Candidates can examine the results of jobs applied for in this section.

About Us: Candidates can examine the website "about us" page in this part.

Get in touch with us: Candidates can read the website's contact us page in this area. Moreover, candidates (job seekers) have the ability to reset, modify, and update their passwords.

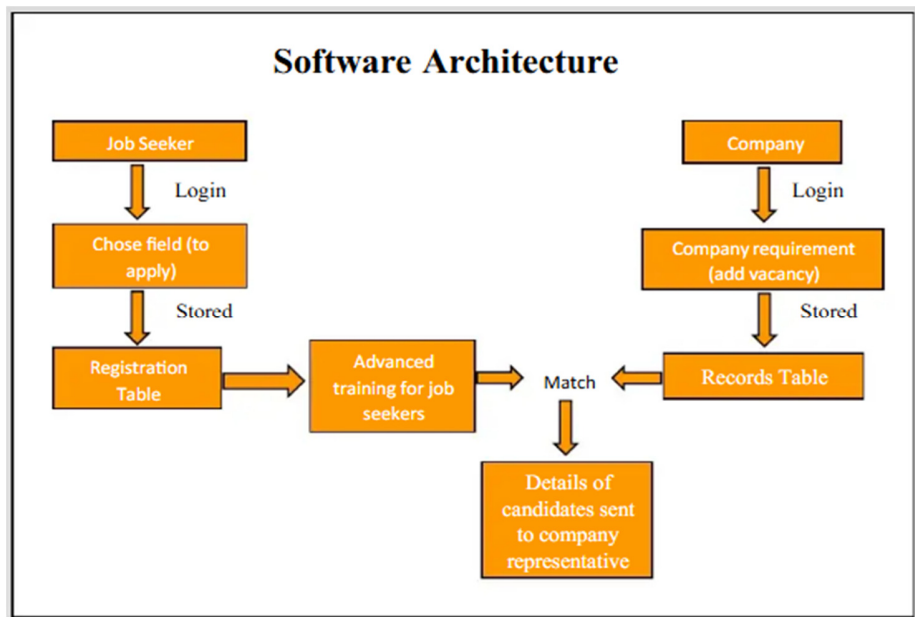
Future Work

1. AI-Powered Job Matching

- Implement machine learning algorithms to recommend jobs based on user profiles, skills, and activity history.

- Smart matching between employer job postings and candidate resumes.
- 2. **Resume Builder Tool**
 - Add a built-in, guided resume builder to help applicants create professional resumes directly on the platform.
- 3. **Chabot Integration**
 - Use AI-driven Chabot's for answering FAQs, guiding users, and assisting with application processes in real time.
- 4. **Video Interview Module**
 - Enable scheduled or asynchronous video interviews through integration with video platforms (e.g., Zoom, WebCT).
- 5. **Skill Assessment Tests**
 - Provide technical or aptitude tests to assess candidates and share results with employers.
- 6. **Advanced Filtering and Search**
 - Add semantic search, filtering by remote/hybrid/on-site jobs, salary range, and flexible working hours.
- 7. **Mobile App Development**
 - Develop Android and iOS apps for better accessibility and user experience on mobile devices.
- 8. **Multi-language Support**
 - Implement language localization to support a global user base.
- 9. **Employer Analytics Dashboard**
 - Provide employers with insights into their job post performance, applicant quality, and hiring trends.
- 10. **Freelance & Gig Work Support**
 - Expand beyond full-time jobs to include freelance, internship, and gig opportunities.
- 11. **Block chain for Verification**
 - Use block chain technology for verifying credentials, certificates, and work experience.
- 12. **Accessibility Improvements**
 - Ensure the platform is usable for people with disabilities by following WCAG accessibility standards

System Architecture



IMPLEMENTATION

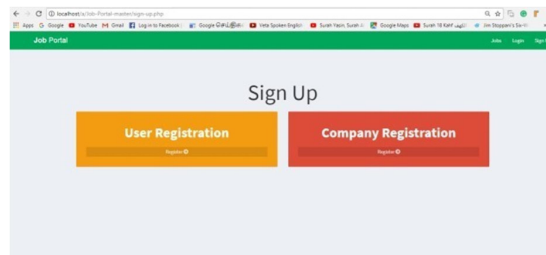


Fig 1: Sign Up

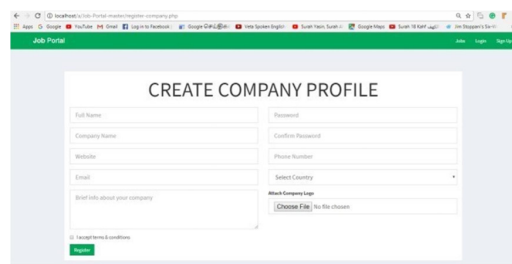


Fig 2: Create Company Profile

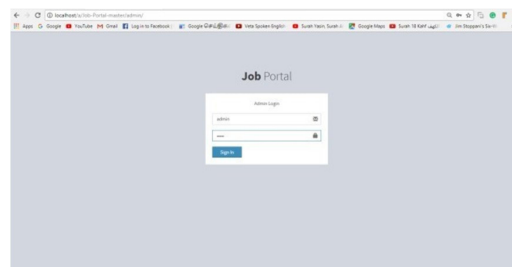


Fig 3: Job portal

CONCLUSION

The application was created in a way that makes it simple to make modifications in the future. The project's development has led to the following conclusions. Productivity is increased when the entire system is automated. It offers a user-friendly graphical user interface that is superior to the current system. Depending on their permissions, it grants authorised people the necessary access. It successfully gets over the communication lag. Information updating gets a lot simpler. The standout characteristics include dependability, data security, and system security. There is sufficient room for future modifications to the system, should they become necessary.

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