Online Job Portal

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Abstract: *Access to suitable job opportunities plays a crucial role for both job seekers and employers in the modern digital era. However, traditional recruitment methods such as newspaper listings, manual submissions, and scattered hiring platforms often lead to delays, limited reach, and inefficient communication. These issues become more challenging due to increased competition, a high volume of applicants, and the absence of a centralized system.*

To overcome these limitations, a web-based system called the Online Job Portal has been developed. This platform serves as a common interface that connects employers and job seekers in a streamlined manner. It includes separate modules for both users, allowing job seekers to build profiles, upload resumes, explore job listings, and apply online. At the same time, employers can publish job openings, review candidate profiles, and handle recruitment processes efficiently.

The system is supported by a centralized database that manages user information, job details, and application records in an organized way. Additional features such as job alerts, application status tracking, and profile management further enhance user experience. By automating and digitizing the recruitment process, the Online Job Portal reduces manual effort, saves time, and provides a more accessible and efficient hiring solution for both parties..

Keywords: Online Job Portal, Job Search System, Recruitment Platform, Web Application, Resume Management, Employer-Employee Connectivity, Database System

I. INTRODUCTION

Securing appropriate job opportunities efficiently remains a significant concern for job seekers, while organizations frequently encounter challenges in identifying skilled candidates using conventional hiring methods. Traditional recruitment approaches, including newspaper advertisements, manual form submissions, and reliance on placement agencies, are often slow, expensive, and inefficient. Such methods limit job visibility, delay hiring decisions, and make it difficult to handle a large number of applications effectively.

Job seekers often find it difficult to locate opportunities that match their qualifications and skills, whereas employers struggle to filter and select the right candidates from numerous applicants. Moreover, recruitment activities carried out by different organizations are usually unconnected, leading to poor coordination and ineffective use of resources.

To address these limitations, a web-based system known as the Online Job Portal has been developed. This platform integrates modern web technologies and database systems to create a centralized environment for recruitment activities. It allows employers to post job openings and manage applications, while job seekers can upload resumes, search for jobs, and apply online. The main aim of the system is to streamline the hiring process, minimize delays, and enhance the overall efficiency of job matching and recruitment through digital automation.

II. LITERATURE REVIEW

Various studies have been conducted to enhance recruitment processes through the use of web technologies and digital platforms. In the early stages, recruitment was mainly carried out through newspaper advertisements, placement agencies, and manual application submissions. These methods were slow, expensive, and difficult to manage, often resulting in limited job exposure, delayed communication, and inefficient handling of applicant information.

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With the advancement of internet technologies, web-based job portals were developed to allow employers to publish job openings and candidates to apply through online platforms. These systems increased accessibility and reduced the time required for recruitment by providing a centralized system for job searching and application management. Some platforms also included resume storage systems and automated email notifications to improve interaction between employers and job seekers.

Recent developments in this field focus on cloud-based recruitment platforms, mobile job applications, and smart recruitment systems that use data analytics and recommendation techniques to match candidates with relevant job opportunities. These modern systems have improved recruitment efficiency, minimized paperwork, and enhanced communication. However, issues such as data security, privacy concerns, and fake job postings continue to be major challenges in online recruitment systems.

III. PROBLEM STATEMENT

Many job seekers find it difficult to locate appropriate employment opportunities that match their skills and qualifications, while employers often face challenges in quickly finding suitable candidates. Traditional hiring methods are slow, inefficient, and poorly organized, which leads to delays in the recruitment process.

To address these problems, the Online Job Portal system is proposed as a centralized digital platform that connects job seekers and employers in one place. The system allows users to search for jobs, apply online, and enables employers to manage recruitment activities efficiently. This helps in reducing hiring time, improving communication, and making the overall recruitment process more efficient and organized.

IV. SYSTEM METHODOLOGY

A. System Overview

The Online Job Portal is designed as a web application that includes two primary components: one for job seekers and another for employers. All data related to users, job postings, and applications are stored in a central database, which helps in efficient data handling, easy access to information, and proper coordination between both users.

B. Working Mechanism

When a job seeker searches for jobs, the system displays available job listings from the database. The job seeker can view details and apply by uploading a resume. Employers can post job vacancies and receive applications from candidates. Employers can review and shortlist candidates, and job seekers can track their application status through the system.

V. FUNCTIONAL REQUIREMENTS

• Job seekers and employers must register and log in
• Employers can post job vacancies
• Job seekers can search and apply for jobs
• Employers can view and manage job applications
• Job seekers can upload resumes and track application status

VI. HARDWARE AND SOFTWARE REQUIREMENTS

A. Hardware Requirements

• 64-bit Windows 10/11
• Minimum 4 GB RAM
• 10 GB free disk space
• Intel or AMD Processor

B. Software Requirements
• Operating System: Windows 10/11
• Programming Language: Java / CSS / JavaScript
• Database : MySQL
• Server: XAMPP Server
• Frontend: HTML, CSS, JavaScript
• IDE: Visual Studio Code / Notepad++
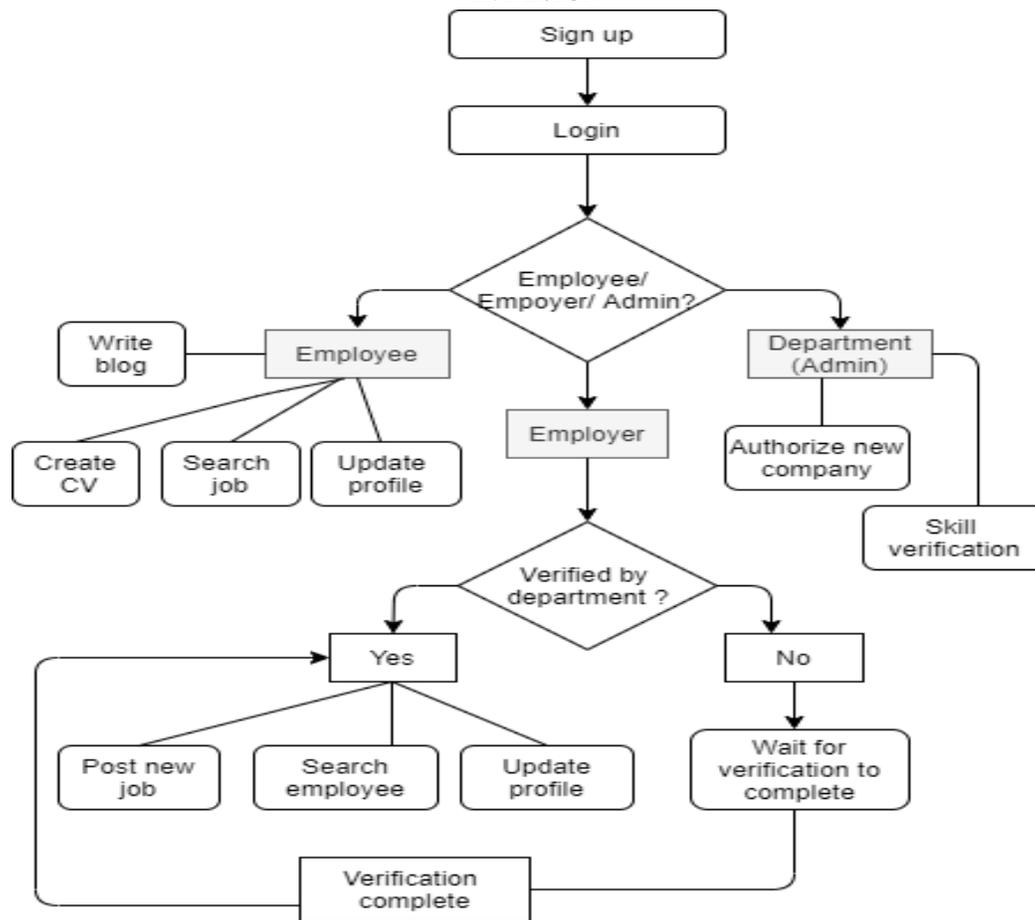• Web Browser: Google Chrome

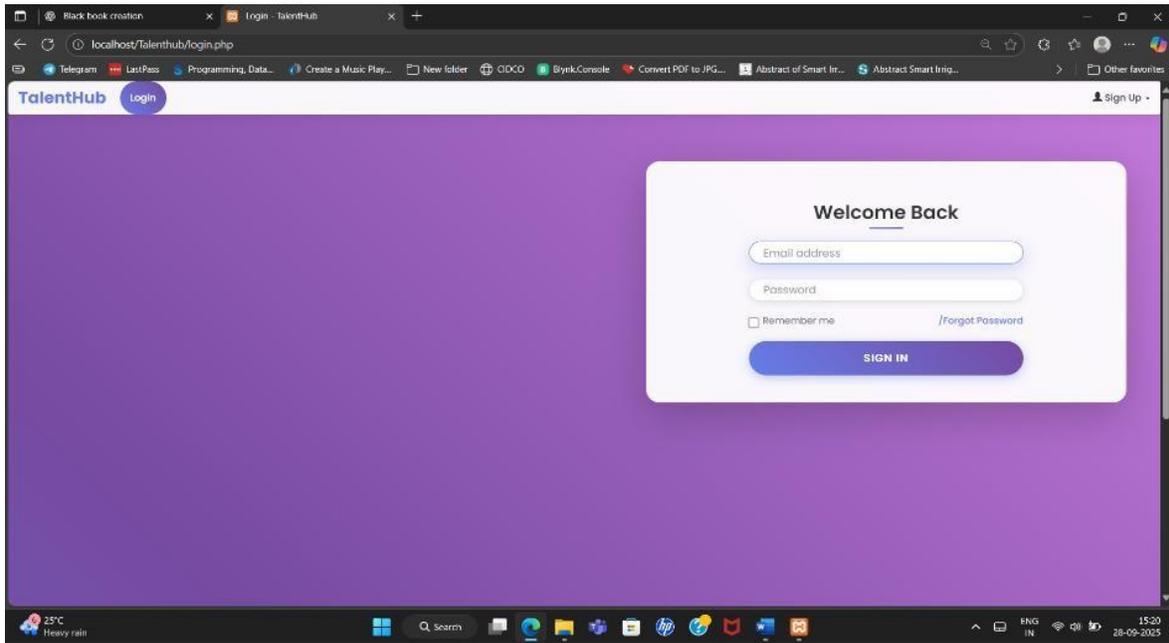## VII. DESIGN

Fig 1. Flow chart
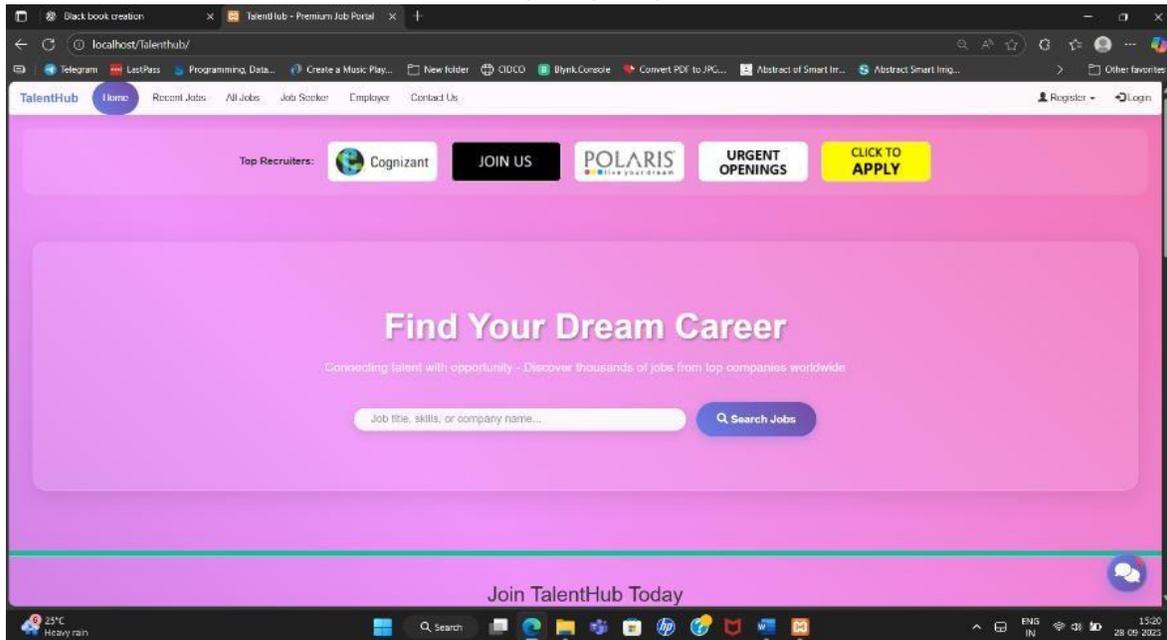
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VIII. OUTPUT

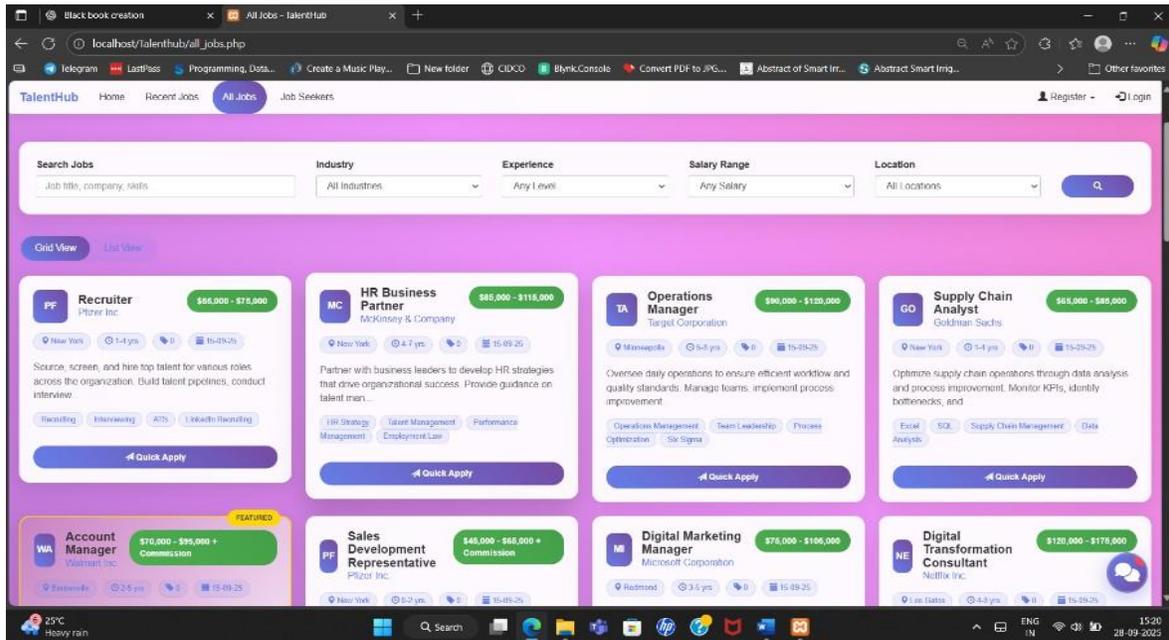Fig,2 Login Page

Fig.3 Search Portal

Fig.4 Available Jobs

IX. FUTURE WORK

Future enhancements may include mobile application support, AI-based job recommendation systems, resume ranking algorithms, integration with LinkedIn and other professional platforms, online interview scheduling, and email/SMS job notifications.

X. CONCLUSION

The Online Job Portal provides an effective solution for simplifying the recruitment process by connecting job seekers and employers on a single digital platform. The system enables online job posting, resume submission, job search, and application tracking, reducing manual work and recruitment time. The project demonstrates how web technologies and database systems can improve communication, increase accessibility, and make the hiring process faster, more efficient, and more organized.

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