

Bangalore University

University of Visvesvaraya College of Engineering

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Department of Computer Science and Engineering

Mini Project

Synopsis On

Title: Job portal

Introduction

A job portal website is a platform that connects job seekers with employers by providing a centralized database of job listings. With a job portal, users can search for and apply to job openings based on their skills, experience, and preferences. The website typically includes features such as job search filters, resume uploading, and employer profiles.

One key benefit of using a job portal website is the ability to streamline the job search process for both job seekers and employers. Job seekers can easily browse through a wide range of job opportunities and apply to positions that match their qualifications, while employers can efficiently post job listings and manage candidate applications.

Problem Statement

A job portal with a large and diverse database of job listings is experiencing challenges in effectively connecting job seekers with suitable employment opportunities and helping employers find qualified candidates. It can be time-consuming for job seekers to search through numerous job listings to find relevant positions, and for employers to sift through a large number of applications to identify potential hires.

There is a need for a job portal website to efficiently organize and manage job listings, streamline the job application process for job seekers, and facilitate the recruitment process for employers. The website should provide robust search and filtering functionalities to help job seekers find relevant job openings, and allow employers to effectively showcase their company and job listings to attract top talent. Additionally, features such as resume uploading, job application tracking, and user profiles can enhance the user experience for both job seekers and employers.

The application will have several entities with various attributes:

- **Job Seeker:** The user who is searching for employment opportunities and can create a profile, search for jobs, upload resumes, and apply to job listings. The job seeker consists of attributes such as username, password, first name, last name, email, skills, and experience.
- **Employer:** The entity representing companies or organizations posting job listings and managing candidate applications. Employers can create profiles, post job listings, view candidate profiles, and manage job listings. Attributes include username, password, company name, industry, location, and job listings.
- **Job Listing:** Represents individual job openings posted by employers, including attributes such as job title, company, location, job description, requirements, and application deadline.
- **Resume:** Represents the resumes uploaded by job seekers, including attributes such as file type, name, and content.
- **Application:** Represents the job applications submitted by job seekers for specific job listings, including attributes such as job seeker username, job listing ID, and application status.

General Features:

- Job seekers can create profiles, search for job listings, and apply to positions.
- Employers can create profiles, post job listings, and manage candidate applications.
- Robust search and filtering functionalities for job seekers to find relevant job openings.
- Resume uploading feature for job seekers to showcase their qualifications and experience.
- Job application tracking for both job seekers and employers to monitor application statuses.

- User authentication and authorization for secure access to the website.
- Both job seekers and employers can log in and log out of their account

Tools to be used:

front-end tools : HTML, CSS, javascript

Backend tools: flask(python), Nodejs

Database: mysql

Other tools used: Visual Studio

Team Details:

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