

## **Assignment Title: Build a Job Portal Application with Search**

Functionality

### **Objective:**

Create a basic Job Portal Web Application using Django that allows employers to post jobs and applicants to search and apply for available positions. This assignment focuses on applying your knowledge of Django models, views, authentication, templates, and implementing a functional job search feature.

### **Features and Requirements:**

#### **1. User Roles:**

- Two types of users:

- ☐ Employer

- ☐ Applicant

#### **2. Authentication:**

- User registration and login

- Logout and role-based redirection/dashboard

- Employers can access posting features; applicants can access job listings and apply

#### **3. Models:**

##### **Job**

- title

- company\_name

- location

- description

- posted\_by (ForeignKey to User)

- created\_at (DateTimeField)

##### **Application**

- job (ForeignKey to Job)

- applicant (ForeignKey to User)

- resume (FileField)
- cover\_letter (TextField)
- applied\_at (DateTimeField)

#### **4. Employer Functionalities:**

- Post a new job
- View all jobs they have posted
- See the list of applicants for each job

#### **5. Applicant Functionalities:**

- View all available jobs
- Apply to jobs with a resume and cover letter
- View their submitted applications

#### **6. Job Search Functionality:**

Applicants should be able to search jobs by:

- Job title
- Company name
- Location

Add a search bar on the job listing page that filters the results based on the user input.

#### **Frontend (Basic Required):**

- Navigation with login/logout and role-based links
- Job list and detail views
- Separate dashboard/home for Employer and Applicant
- Application form with file upload
- Search input on job listing page

You may use React, Bootstrap or plain CSS. Design is secondary to functionality.

#### **Admin Panel:**

- Register Job and Application models
- Customize list display to show relevant fields (e.g., company name, job title, posted\_by)