

Job Portal Project (Employers + Candidates + Applications)

Overview

This project is a Django-based Job Portal where companies can post job openings and candidates can search, apply, and track their applications. The platform includes authentication, dashboards for both employers and job seekers, and an admin panel for full control.

Key Features

- Separate logins for candidates and employers.
- Employers can create, edit, and manage job listings.
- Candidates can upload resumes and apply to jobs.
- Search and filter jobs by title, location, or category.
- Application tracking for both sides.
- Admin panel for full moderation.

Project Structure

```
project_root/
  manage.py
  accounts/
  jobs/
  applications/
  templates/
  static/
```

Installation & Setup

- 1 Install Python 3.10+ on your machine.
- 2 Create a virtual environment: `python -m venv venv`
- 3 Activate it: (Windows) `venv\Scripts\activate` | (Mac/Linux) `source venv/bin/activate`
- 4 Install packages: `pip install -r requirements.txt`
- 5 Apply migrations: `python manage.py migrate`
- 6 Create admin user: `python manage.py createsuperuser`
- 7 Start development server: `python manage.py runserver`
- 8 Open `http://127.0.0.1:8000` in your browser.

How the Job Portal Works

Employers sign in and publish job listings with details like role, salary, and location. Candidates browse jobs, upload resumes, and submit applications. Both parties can track the application progress, while admins moderate the entire system.

Admin Panel

Access the admin dashboard via `/admin`. From here, administrators manage users, job listings, applications, and categories, ensuring the platform stays organized and secure.

Example Use Case

- A company posts a job for Software Engineer.
- A candidate finds the listing and applies with a resume.
- The employer reviews the application and shortlists the candidate.
- The candidate can see the status update in their dashboard.

Screenshots (Mock Layout Preview)

[Home Page — Job Listings Preview]
[Job Details Page — Apply Button]
[Candidate Dashboard — My Applications]
[Employer Dashboard — Posted Jobs]

What This Project Teaches

- Designing role-based systems (candidate vs employer).
- Working with Django models and relationships.
- File uploads (resumes) and secure storage.
- Building dashboards and pagination.
- Using the Django admin effectively.

Future Improvements

- Email notifications for new applications.
- Resume parsing for auto-matching candidates.
- Interview scheduling system.
- Company verification feature.