Job Portal with Resume Upload

1. Introduction:

The Job Portal with Resume Upload is a web-based application that connects job seekers with employers. It allows job seekers to create accounts, upload resumes, and apply for jobs. Employers can post job openings, manage applications, and review candidate resumes. This platform provides a centralized and efficient hiring ecosystem.

2. Objectives:

To create a platform that bridges the gap between job seekers and employers.

To allow job seekers to upload resumes and apply directly for jobs.

To provide employers with tools to post jobs, review applications, and shortlist candidates.

To implement a secure authentication system for safe access

3. Features:

For Job Seekers

User registration and login.

Profile creation and resume upload (PDF/DOC).

Apply for jobs directly through the portal.

Track application status.

For Employers.

Employer registration and login.

Post new job openings.

Manage and edit job listings.

Review candidate applications and resumes.

Shortlist and communicate with candidates.

For Admin (Optional):

Monitor job postings and applications.

Handle inappropriate content or spam.

4. System Design:

Architecture

Frontend: Provides user interface for job seekers and employers.

Backend: Handles business logic, authentication, and database operations.

Database: Stores user details, job postings, applications, and resumes.

File Storage: Stores uploaded resumes (local server or cloud storage).

Database Schema:

1. Users Table → stores job seekers & employers.

2. Jobs Table → stores job postings.

3. Applications Table → stores job applications and resume paths.

5. Technologies Used:

Frontend: HTML, CSS, JavaScript (React/Angular for advanced UI).

Backend: Node.js with Express (or Django / Spring Boot).

Database: MongoDB / MySQL / PostgreSQL.

File Storage: Local server or AWS S3 / Google Cloud Storage.

Authentication: JWT (JSON Web Token).

6. Workflow

1. Job Seeker registers, uploads resume, and applies for jobs.

2. Employer registers, posts job vacancies, and reviews applications.

3. Backend stores all data and manages resume uploads.

4. Admin (if implemented) oversees the entire system.

7. Advantages:

Easy access to job opportunities.

Centralized hiring ecosystem.

Secure and user-friendly.

Reduces manual recruitment work.

8. Conclusion:

The Job Portal with Resume Upload system streamlines the recruitment process for both job seekers and employers. It simplifies applying for jobs, reviewing resumes, and managing applications, creating a more efficient and effective hiring experience.