***+ANUDIP FOUNDATION***

A Project Report on

**JOB PORTAL SYSTEM**

By

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JOB PORTAL SYSTEM

Introducing our Java-based Job Portal System (JPS):

The **Job Portal System** is designed to streamline the recruitment process by connecting job seekers with employers. It efficiently manages job postings, candidate profiles, applications, and employer interactions. The system ensures smooth data handling, secure authentication, and structured application tracking. With features like job searching, application management, and employer dashboards, it enhances the hiring process. The platform provides a seamless experience for both job seekers and recruiters, making recruitment more efficient and organized

**Entities:**

* Admin
* User
* Employer
* Job

**ATTRIBUTES OF ENTITIES:**

1. **Admin**

* Attributes:
* admin\_id (primary key)
* ad\_Firstname
* ad\_Lastname
* ad\_Email
* ad\_Phone
* ad\_Address

1. **User**

* Attributes:
* User\_id(primary key)
* User\_FirstName
* User\_LasttName
* User\_Phone
* User\_Email
* Resume
* Address

1. **Employer**

* Attributes:
* Emp\_id (primary key)
* Emp\_FirstName
* Emp\_LastName
* Emp\_Address
* Emp\_Email
* Emp\_Phone
* Comapany

1. **Job**

* Attributes:
* Job\_id (primary key)
* Emp\_id (Foreign key)
* Location
* Education
* DeadLine
* Category
* Additional Requirement
* Vacancy
* Employment Status
* Experience
* Salary

**ENTITY RELATIONSHIP DIAGRAM – JOB PORTAL SYSTEM**

Job

User

Apply for

M M M

Manage

Post

Employer

M M M

Validateee

Manage

M 1 1

Admin

M M 1 1

**CONCLUSION:**

In summary, The **Job Portal System** provides an efficient and structured platform for job seekers and employers to connect, making the hiring process seamless. It streamlines job postings, candidate applications, and recruitment management, ensuring smooth data handling and secure operations. By offering features like job search, application tracking, and employer dashboards, it enhances user experience and improves hiring efficiency. The system reduces manual efforts, saves time, and increases accessibility for both recruiters and job seekers. With its well-organized framework, it ensures transparency and effectiveness in recruitment. Overall, it serves as a reliable solution for modern job hiring needs.

**DATABASE CREATION QUERY:**

**mysql> create database job\_portal;**

**Query OK, 1 row affected (0.36 sec)**

**mysql> use job\_portal;**

**Database changed**

**mysql> CREATE TABLE Admin (**

**-> Admin\_id INT PRIMARY KEY AUTO\_INCREMENT,**

**-> Ad\_FirstName VARCHAR(255),**

**-> Ad\_LastName VARCHAR(255),**

**-> Ad\_Email VARCHAR(255) UNIQUE,**

**-> Ad\_Phone VARCHAR(20),**

**-> Ad\_Address VARCHAR(255)**

**);**

**Query OK, 0 rows affected (0.61 sec)**

**mysql> CREATE TABLE User (**

**-> User\_Id INT PRIMARY KEY AUTO\_INCREMENT,**

**-> First\_Name VARCHAR(255),**

**-> Last\_Name VARCHAR(255),**

**-> Email VARCHAR(255) UNIQUE,**

**-> Phone VARCHAR(20),**

**-> Address VARCHAR(255),**

**-> Education VARCHAR(255),**

**-> Employment\_status VARCHAR(255),**

**-> Resume VARCHAR(255) -- Store file path or blob**

**);**

**Query OK, 0 rows affected (0.47 sec)**

**mysql> CREATE TABLE Employer (**

**-> Emp\_id INT PRIMARY KEY AUTO\_INCREMENT,**

**-> Emp\_First\_name VARCHAR(255),**

**-> Emp\_Last\_name VARCHAR(255),**

**-> Emp\_Email VARCHAR(255) UNIQUE,**

**-> Emp\_Phone VARCHAR(20),**

**-> Emp\_Address VARCHAR(255),**

**-> Company VARCHAR(255)**

**);**

**Query OK, 0 rows affected (0.14 sec)**

**mysql CREATE TABLE Job**

**-> (**

**-> Job\_id int primary key Auto\_Increment,**

**-> Category VARCHAR (50),**

**-> Deadline Date,**

**-> Education VARCHAR (100),**

**-> Location VARCHAR (100),**

**-> Additional\_Requirement TEXT,**

**-> Vacancy int,**

**-> Employment\_Status VARCHAR (50),**

**-> Experience int,**

**-> Salary Decimal(10,2)**

**-> Emp\_id int Not Null,**

**-> Foreign key (Emp\_id) References Employer(Emp\_id) ON Delete Cascade**

**-> );**

**Query OK, 0 rows affected (0.14 sec)**

**mysql> Show tables;**

**+----------------------+**

**| Tables\_in\_job\_portal |**

**+----------------------+**

**| admin |**

**| employer |**

**| job |**

**| user |**

**+----------------------+**

**4 rows in set (0.04 sec)**