# JOB PORTAL SYSTEM

**Introduction** :

The Job Portal System is a web-based application developed as part of the Elevate Labs Internship program. The main objective of this project is to simplify the recruitment process by creating an efficient platform where employers can post job listings and applicants can register, search for jobs, apply, and track their application status. The system ensures secure access, user-friendly interaction, and role-based features for both employers and applicants.

**Abstract** :

This project implements a role-based system with two primary roles: **Employer** and **Applicant**. Employers can register, log in, and manage job postings, while applicants can search for available jobs, apply using cover letters, and track their application status. The application is built using Java with the Spring Boot framework, integrates with a MySQL database, and uses Thyme leaf for front-end templating. Security is implemented through Spring Security for login, registration, and role management. The system successfully demonstrates the integration of modern backend frameworks with a relational database and a simple, responsive web interface.

**Tools Used**

- **Programming Language:** Java
- **Framework:** Spring Boot
- **Database:** MySQL
- **Frontend:** Thyme leaf
- **Security:** Spring Security
- **IDE:** Eclipse IDE

**Steps Involved in Building the Project :**

1. Designed the database schema with three main entities: Users, Jobs, and Applications.
2. Implemented user roles (Employer and Applicant) with login and registration using Spring Security.
3. Developed employer functionality for posting new jobs and viewing previously posted jobs.
4. Built applicant functionality to register, log in, search for jobs, apply with cover letters, and track application status.
5. Integrated Thyme leaf templates for user-friendly web pages.
6. Seeded the database with test credentials (Employer and Applicant accounts) for demonstration.
7. Conducted testing to validate CRUD operations, authentication, and search/filter features.

**Conclusion :**

The Job Portal System successfully meets the project objectives by providing a reliable and efficient platform for employers to post job opportunities and for applicants to apply and track applications. It demonstrates practical use of Spring Boot, MySQL, and Thyme leaf for developing real-world web applications. The system can be extended in the future to include advanced features such as resume uploads, email notifications, job recommendations, and enhanced application tracking.