

RESUME BUILDER USING JAVA & SPRING BOOT

GITHUB LINK: <https://github.com/Pavithra-GR/ResumeBuilder-using-Java>

Overview

A simple, full-stack **Resume Builder** web application built with **Java**, **Spring Boot**, and **JPA/Hibernate** for the backend, and **HTML/CSS** with **Thymeleaf** for the frontend.

Tech Stack

- **Java 17+**
- **Spring Boot**
- **Spring Data JPA**
- **Hibernate**
- **MySQL**
- **Thymeleaf**
- **HTML5**
- **CSS3**

Application URL

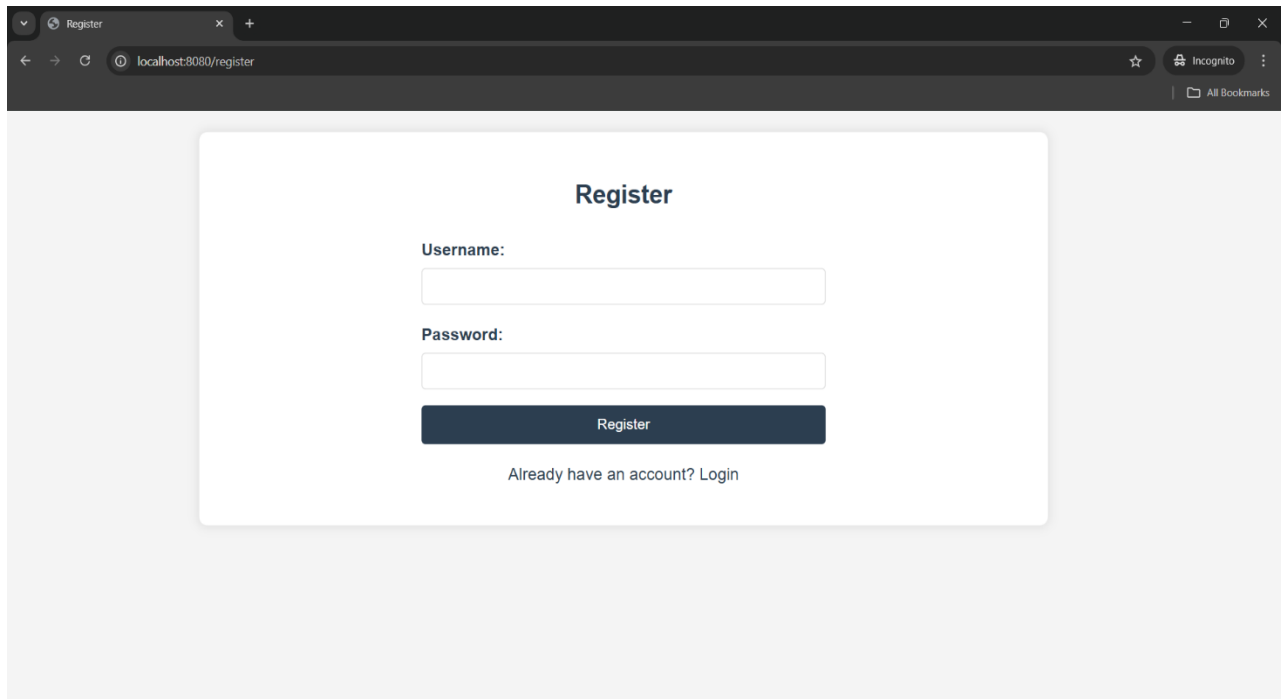
- Access the registration page locally:

<http://localhost:8080/register>

Features

- User registration form to input resume details
- Resume data is saved in a MySQL database using JPA & Hibernate
- Simple and clean HTML/CSS UI with Thymeleaf templating
- Easily extensible structure for additional features (PDF export, login, etc.)

Register Page:



Register

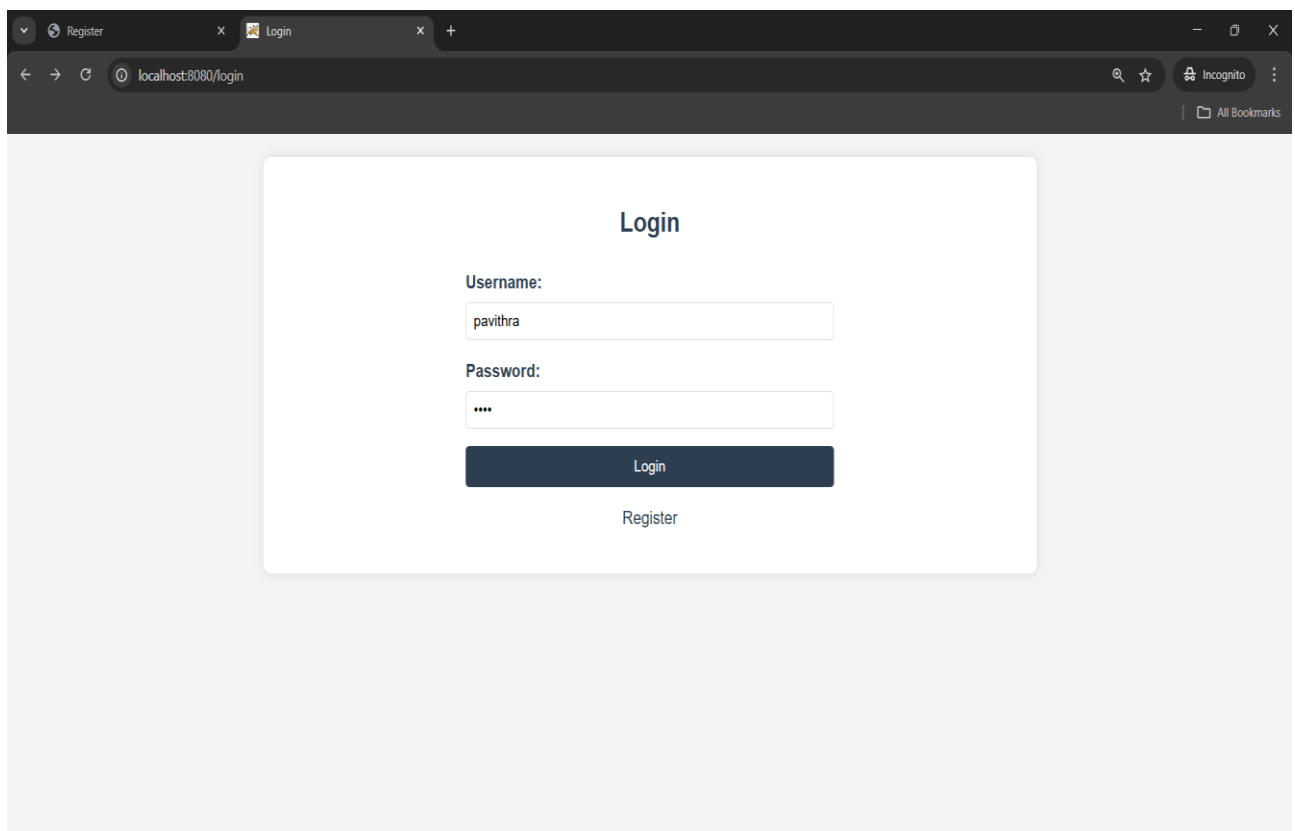
Username:

Password:

Register

[Already have an account? Login](#)

Login Page



Login

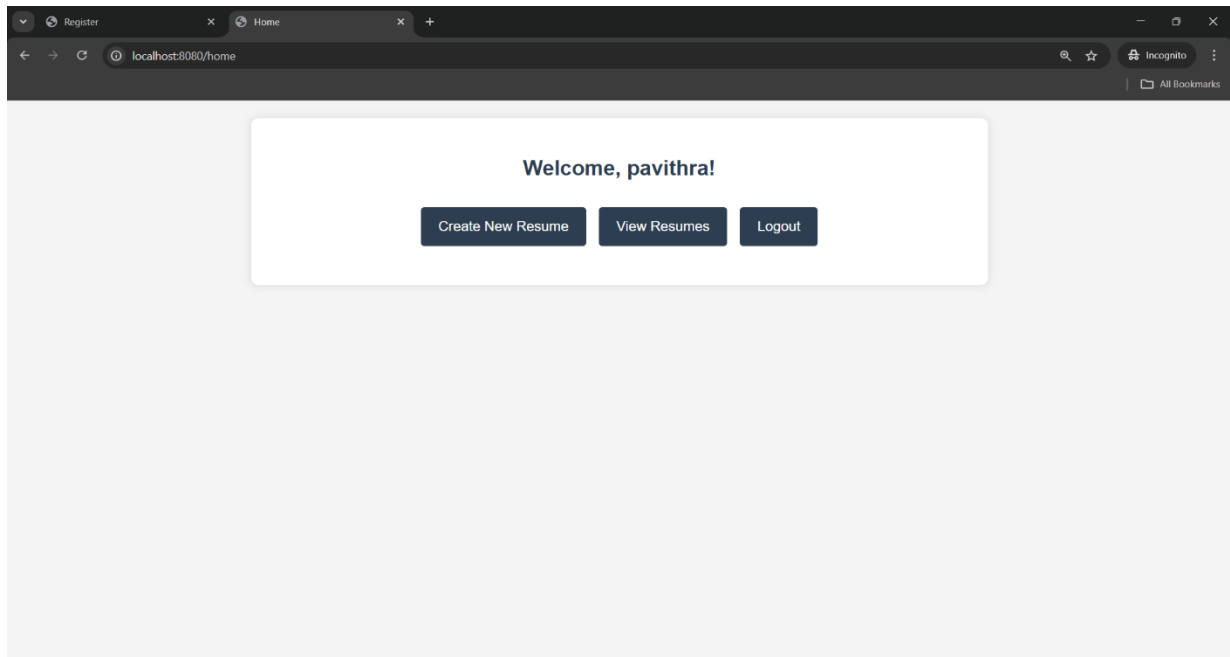
Username:

Password:

Login

[Register](#)

Home Page



Create New Resume Page

A screenshot of a web browser showing the 'Create Resume' page. The browser's address bar displays 'localhost:8080/create-resume'. The page features a central white card with the title 'Create Resume' and a form with the following fields: Full Name, Email, Phone, LinkedIn, Education, Experience, Skills, Projects, Achievements, and Certifications. Each field has a text input box with a small icon on the right. Below the form is a 'Submit' button and a 'Back to Home' link. The browser's tab bar shows 'Register' and 'Create Resume' tabs, and the Incognito mode is active.

Create Resume

Full Name:

Email:

Phone:

LinkedIn:

Education:

Experience:

Skills:

Projects:

Achievements:

Certifications:

[Back to Home](#)

Your Resumes

[Create New Resume](#)[Back to Home](#)[Logout](#)

Pavithra G R

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Education

St. Joseph's College of Engineering, Chennai B.Tech in Information Technology St. Mary's Matriculation Higher Secondary School, Chennai Higher Secondary Certificate (HSC)

Experience

Internship Renault Nissan Automotive India Pvt Ltd (Certificate) • Designed and developed an interactive internal newsletter using HTML, CSS, and JavaScript. • Acquired hands-on experience in Full Stack development, including front-end and back-end integration. • Collaborated with cross-functional teams, enhancing communication and teamwork.

Skills

Languages: Java, C Version Control: Git, GitHub Web Development: HTML, CSS, Javascript Databases: MySQL, JDBC Core Concepts: Object-Oriented Programming (OOP)

Projects

Cyber-Crime Classification -- Developed the Frontend website and connected it to a backend machine learning model to classify the crime using Xgboost. Women Entrepreneur Marketplace -- Designed a console-based marketplace where women entrepreneurs can register, list, and sell products effortlessly. -- Integrated MySQL for data management and Java Servlets for back-end processing. Disease Prediction Using Symptoms (TFIDF & KNN) -- Designed the frontend website and connected it to a backend machine learning model to predict diseases based on symptoms using TFIDF and KNN algorithms.

Achievements

Notable Participant in Mapathon Conducted by IIT BOMBAY- (IITB FOSSEE MAPATHON)- 2023& 2024 Secured 3rd place in the SMARTFEMINA contest conducted by SJCE (CSE) in collaboration with the ACM chapter. Cyberthon 2nd Runner-Up-- Top 3 out of 720 teams, Cyber Crime Police Dept.

Certifications

Programming in Java-- NPTEL Problem Solving through Programming in C-- NPTEL Front-End Development-- Coursera HTML, CSS, JavaScript for Web Developers-- Coursera DSA using Java-- NPTEL

[Edit Resume](#)[Download Resume](#)[Delete Resume](#)

Database MYSQL

```
CREATE DATABASE resume_builder;
```

```
USE resume_builder;
```

Conclusion

The Resume Builder web application successfully demonstrates the development of a full-stack Java-based project using Spring Boot, Spring Data JPA, Hibernate, and a MySQL database. It provides a streamlined user interface for entering, managing, and downloading resume details, with data securely stored in a structured relational database. With a clean separation of concerns between the frontend (HTML/CSS with Thymeleaf) and backend services, the project emphasizes modularity, scalability, and maintainability.

The application allows users to register and input their personal and professional details to build a resume, with support for editing and deleting existing resumes. Additionally, it includes functionality to download the generated resume in PDF format, enhancing its usability for real-world scenarios.

Overall, the Resume Builder serves as a solid foundation for developing more advanced resume generation tools and offers valuable hands-on experience in full-stack application development using Java technologies.