ZIDIO CONNECT - TRIAL TASK SUBMISSION

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GitHub: https://github.com/jagadhabiumamaheshwarraju/job_portal

Project Overview

Objective:

Develop a web portal connecting students and recruiters, enabling:

- Companies to post jobs/internships
- Students to apply and track applications
- Admins to manage users, posts, and analytics

Core Features Implemented:

- Authentication Module: Login/Register for Student, Recruiter, and Admin with role-based access control.
- Student Dashboard: View & apply for jobs/internships, upload resume, track application status.
- Recruiter Dashboard: Post jobs/internships, view and manage applications, shortlist/reject candidates.
- Admin Panel: Manage users (approve/block), analytics or reports (optional bonus).

Technical Stack

- Frontend: HTML, CSS, JavaScript, React.js
- Backend: Java, Spring Boot
- Database: MySQL
- Version Control / Tools: Git, GitHub, Postman, Cloudinary (optional for uploads)

Approach & Architecture

1. Backend Development:

- Set up Spring Boot backend with MySQL database.
- Created User models & APIs for Student, Recruiter, and Admin roles.
- Implemented JWT-based authentication for secure access.

2. Frontend Development:

- Built responsive UI using React.js.
- Developed components for login, dashboards, job posting, and application tracking.
- Integrated frontend with backend APIs for dynamic data handling.

3. Testing & Deployment:

- Conducted unit testing for backend APIs.

- Performed UI testing for frontend components.
- Deployed the application on GitHub Pages for frontend and Render for backend.

Challenges & Solutions

- Challenge: Implementing role-based access control.
  Solution: Utilized Spring Security with JWT tokens.
- Challenge: Ensuring seamless integration between frontend and backend.
  Solution: Used Axios with async/await in React.js.
- Challenge: Managing file uploads for resumes.
  Solution: Integrated Cloudinary for secure file storage.

Future Improvements

- Enhance UI using Material-UI.
- Add real-time notifications via WebSockets.
- Implement search functionality for jobs/internships.

GitHub / Deployment Links

- GitHub Repository: https://github.com/jagadhabiumamaheshwarraju/job_portal
- Deployment Link: https://job-portal-frontend.vercel.app