Online Job Portal

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Introduction

- The **Online Job Portal** is a web-based platform designed to connect job seekers with employers. Built using **PHP** for server-side scripting and **MySQL** for database management, this portal allows job seekers to search and apply for jobs, while employers can post job vacancies and manage applications. The platform is structured using **HTML**, **CSS**, and **JavaScript** to create an intuitive and responsive user interface. The job portal enables seamless interactions between users, ensuring a smooth experience for both job seekers and employers.

Features

▶ **User Registration & Login:** Both job seekers and employers can create accounts, log in, and manage profiles.

▶ **Job Postings & Applications:** Employers can post jobs, while job seekers can browse listings and apply for positions.

▶ **Dashboards:** Personalized dashboards for job seekers to track applications and for employers to manage job posts and applications.

▶ **Search Functionality:** Search jobs based on criteria like location and job type.

▶ **Password Recovery:** Users can reset their passwords via email.

▶ **Location-Based Search:** Jobs can be filtered by location to assist in finding nearby opportunities.

System Architecture

▶ **Frontend (Client-Side):** The user interface is built using HTML, CSS, and JavaScript. The frontend handles the display of pages, form submissions, and interactivity for job seekers and employers.

▶ **Backend (Server-Side):** The server-side logic is handled by PHP scripts, which process user requests, interact with the database, and return the appropriate responses.

▶ **Database Layer:** MySQL is used for storing user data, job postings, applications, and other relevant information. The database is structured to manage different user types (employers and job seekers) and their interactions.

Tools & Used Technology

▶ **Frontend:**

• **HTML5:** Used for structuring content on the web.

• **CSS3:** Used for styling the user interface and improving the visual appearance.

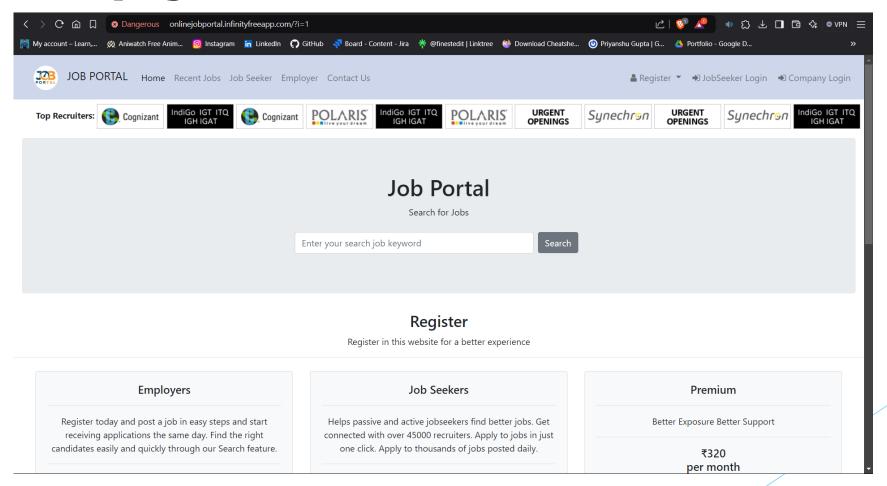• **JavaScript:** Used for adding interactivity (e.g., job search).

▶ **Backend:**

• **PHP:** Server-side scripting language used to handle user requests and manage database operations.

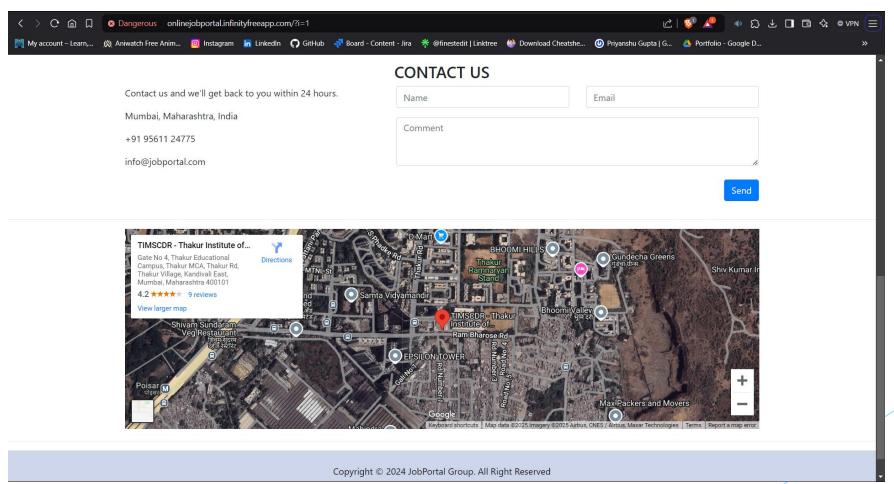• **MySQL:** Database management system used for storing job listings, user data, and applications.

▶ **Other Technology:**

• **XAMPP:** Local server environment for PHP and MySQL.

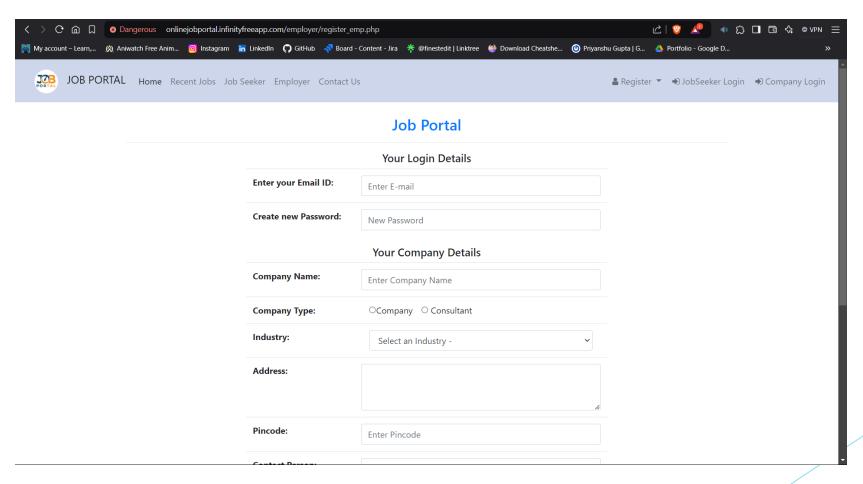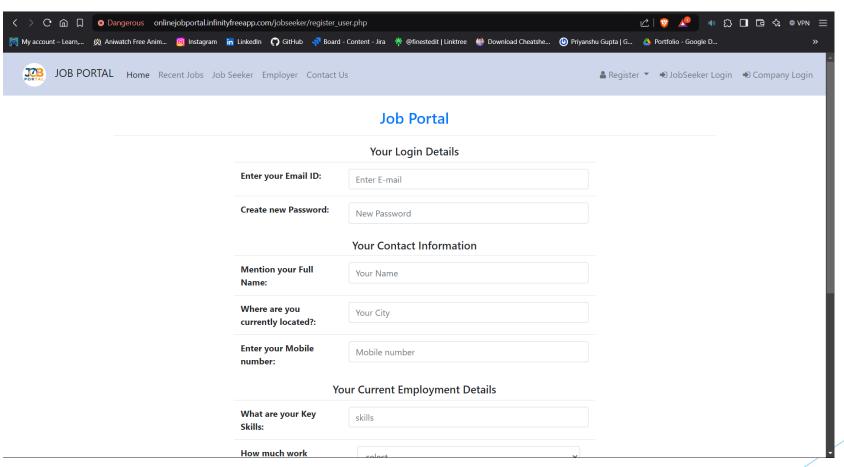• **Bootstrap:** Optional, if used for improving the responsiveness of the portal.

UI Screenshots
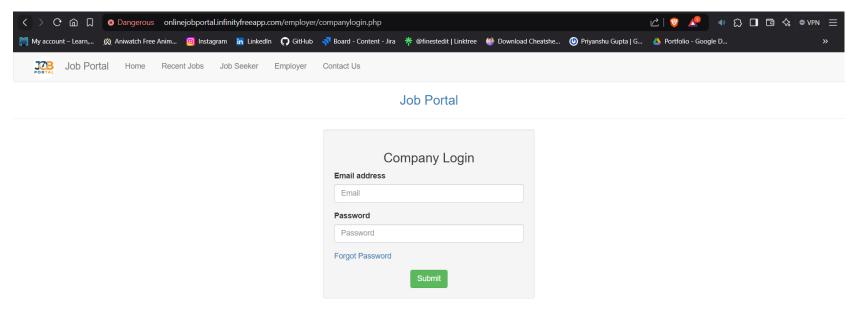
Homepage :

UI Screenshots

Homepage :

UI Screenshots
Registrations (Company):

UI Screenshots
Registrations (Jobseeker):

UI Screenshots

Login (Company):

UI Screenshots

Login (Jobseeker):

UI Screenshots
Dashboard (Company):

UI Screenshots

Job Posting (Company):

UI Screenshots

Dashboard (Job Seeker):

Testing & Validation

▶ **Testing Approaches:**

• **Unit Testing:** PHP scripts are tested individually to ensure correct functionality.

• **Integration Testing:** Test the interaction between different system components, such as the frontend, backend, and database.

• **User Acceptance Testing (UAT):** The system is tested by actual users to ensure the platform meets their needs and expectations.

▶ **Validations**

• **Input Validation:** Ensures that the data provided by users (both job seekers and employers) is valid and meets the necessary criteria before being stored in the database.

• **Form Validation:** Ensures required fields are filled, email addresses are valid, and passwords meet security standards.

• **Error Handling:** Proper error messages are displayed in case of invalid data or issues with form submissions.

Deployment

▶ **Server Setup:** Set up a web server (Apache/Nginx) that supports PHP and MySQL.

▶ **Database Configuration:** Import the SQL files (`Jobportal.sql & location.sql`) into the MySQL database to set up the necessary tables and data.

▶ **Upload Files:** Upload the entire directory structure (including all PHP files, images, CSS, and JavaScript) to the server.

▶ **Update Configuration:** Edit the (`config.php`) file to configure the database connection settings.

▶ **Testing:** Once deployed, test the system to ensure that it is working correctly and all functionality is operational.

Conclusion

▶ The **Online Job Portal** is a comprehensive platform designed to help job seekers find relevant opportunities and employers to hire suitable candidates. It integrates a user-friendly interface, secure authentication mechanisms, and a well-structured database. By combining these features with effective testing and validation, the portal offers a reliable and efficient solution for the recruitment process.