**HAWASSA UNIVERSITY**

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**FACULTY OF INFORMATICS**

**DEPARTMENT OF COMPUTER SCIENCE**

**WEB PROGRAMMING PROJECT**

**TITLE- Job Portal Web based Application**

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[Click Here to see Video Demo.](https://www.loom.com/share/e456b07240d947a6809ecb24becc7881?sid=e88150a4-a8e2-4626-90ed-d3555137fdeb)

**JOB PORTAL WEB APPLICATION**

# Project Overview

The Job Portal Web Application is a dynamic, responsive, and interactive platform developed using PHP, HTML, CSS (Bootstrap), JavaScript, and MySQL. This simple application facilitates a streamlined process of job searching and recruitment by enabling two types of users: Job Seekers and Employers. Job Seekers can register, log in, search for jobs, apply by submitting a resume and cover letter, and manage their profile. Employers can post job listings, manage applicants, and access a dashboard view. The application ensures data security by hashing user passwords before storing them in the database, enhancing overall privacy and integrity.  
  
Bootstrap has been used extensively throughout the application to ensure responsiveness and consistent design across all screen sizes. Each page of the system is designed with a user-centric approach, providing clarity, ease of navigation, and essential functionality.

**Pages Overview and Descriptions**

## index.php(Home page)

This is the landing page of the application. It introduces users to the job portal platform, with navigation links to all major sections such as login, register, jobs, about, and contact pages. It also presents an overview of the portal's purpose and highlights its key features. Responsive design ensures the page looks great on mobile, tablet, and desktop devices.

## register.php

The registration page allows new users to create an account. Users can choose their role as either an Employer or Job Seeker. The form collects user details such as name, email, and password. The password is securely hashed before being stored in the database, using PHP's password hashing functions. Hashing helps protect sensitive user information in the event of a data breach.

## Click this link to see the video Demo of Our app [Video Demo](https://www.loom.com/share/e456b07240d947a6809ecb24becc7881?sid=e88150a4-a8e2-4626-90ed-d3555137fdeb)

## login.php

The login page provides secure access to the system for existing users. Upon form submission, the system verifies user credentials against the hashed passwords in the database. Successful login establishes a session and redirects users to their respective dashboards based on their role.

## logout.php

This script securely destroys the active session and logs the user out. Users are redirected to the home page after logout, ensuring that unauthorized access is prevented once the session ends.

## jobs.php

This page lists all jobs available in the portal. It provides search and filtering capabilities based on job title, type, location, and posting date. Jobs are listed in descending order of posting date to prioritize newer opportunities. Job Seekers can view detailed job descriptions and choose to apply.

## job-detail.php

Displays detailed job information for a selected post including title, description, company name, location, salary, job type, and application deadline. A 'Apply Now' button enables job seekers to apply directly by uploading their resume and writing a cover letter.  
  
Resume & Cover Letter Importance: A resume gives employers a quick summary of the candidate’s qualifications, while a cover letter provides context and personalized explanation for interest in the position. Both are critical in making a strong impression on employers.

## apply-job.php

This page allows Job Seekers to apply for jobs by uploading their resume (PDF/DOC) and providing a personalized cover letter. The data is securely saved in the database with references to the respective job and applicant. Employers can review applications in their dashboard.

## post-job.php

Accessible by Employers, this form allows job posting by entering details such as job title, job description, location, salary, application deadline, company name, and job type (full-time, part-time, internship, contract). Upon submission, the job is stored in the database and made available in the jobs listing.

## dashboard.php

Only accessible to Employers, the dashboard provides an analytical view including total jobs posted, number of registered Job Seekers and Employers, and a list of recent users. It helps employers track engagement and manage applications effectively.

## edit-profile.php

Users can update their personal profile including their name, email, phone number, bio, educational level, and skills. They can also upload or replace their resume. This information is crucial for employers to evaluate candidates.

## contact.php

Users can send messages directly to the developers. This form stores user feedback, queries, or technical issues in the database for administrative access and response.

## about.php

The About page provides detailed information on the purpose of the job portal, the technology stack used, and a message from the developers. It enhances user trust and transparency.

## coding.php

Displays sample code snippets, likely for developers or for demonstration purposes. This can serve as a tutorial or showcase area for potential contributors.

### Application Walkthrough Video

To gain a clearer understanding of how the Job Portal Web Application works, please watch the walkthrough video provided via Loom. This video offers a detailed demonstration of the application's features and user experience. It walks you through the registration and login process for both Employers and Job Seekers, shows how to post and manage jobs, explains how users can search and apply for jobs using a resume and cover letter, and highlights key pages such as the Dashboard, Edit Profile, and Job Listings. This visual guide complements the written documentation and provides a live sample of how the platform functions in real-time.

Visit this link to see our video Demo for % min for our Website [https://www.loom.com/share/e456b07240d947a6809ecb24becc7881?sid=fb98edce-fd6b-4a9d-b55c-a536fe276a13]

# 🗂️ Folder Structure

The following is a typical folder structure of the Job Portal Web Application:  
  
• /css – Contains custom stylesheets or Bootstrap overrides  
• /js – Contains JavaScript files for dynamic functionalities  
• /assets – Stores uploaded resumes and profile images  
• /includes – Contains database connection files and shared components like navbars  
• /admin – Contains dashboard and management pages (restricted to Employers)  
• / – Root directory with main PHP pages like index.php, login.php, register.php, etc.

# Running the Project Locally

To run this project on your local machine, follow these steps:  
  
1. Install XAMPP or WAMP on your system.  
2. Extract or clone the project into the `htdocs` folder (for XAMPP).  
3. Start Apache and MySQL from the XAMPP control panel.  
4. Open phpMyAdmin and create a new database (e.g., `job\_portal`).  
5. Import the provided SQL schema (e.g., `job\_portal.sql`) into the new database.

6. Edit the database configuration file (`includes/db.php`) with your credentials.

7. After Creating the Database inside the database you created execute the following SQL statement to create the Tables

CREATE DATABASE job\_portal;

USE job\_portal;

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL,

email VARCHAR(100) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

user\_type ENUM('job\_seeker', 'employer') NOT NULL,

full\_name VARCHAR(100),

phone VARCHAR(20),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE jobs (

id INT AUTO\_INCREMENT PRIMARY KEY,

employer\_id INT NOT NULL,

title VARCHAR(100) NOT NULL,

description TEXT NOT NULL,

company VARCHAR(100) NOT NULL,

location VARCHAR(100) NOT NULL,

salary VARCHAR(50),

type ENUM('Full-time', 'Part-time', 'Contract', 'Internship') NOT NULL,

category VARCHAR(50) NOT NULL,

posted\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

deadline DATE,

FOREIGN KEY (employer\_id) REFERENCES users(id)

);

CREATE TABLE applications (

id INT AUTO\_INCREMENT PRIMARY KEY,

job\_id INT NOT NULL,

user\_id INT NOT NULL,

resume\_path VARCHAR(255) NOT NULL,

cover\_letter TEXT,

applied\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

status ENUM('Pending', 'Reviewed', 'Rejected', 'Accepted') DEFAULT 'Pending',

FOREIGN KEY (job\_id) REFERENCES jobs(id),

FOREIGN KEY (user\_id) REFERENCES users(id)

);

CREATE TABLE contact\_messages (

id INT PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(100),

email VARCHAR(100),

subject VARCHAR(100),

message TEXT,

created\_at DATETIME,

status VARCHAR(20)

);  
7. Open your browser and navigate to `http://localhost/job-portal/` to start using the app.