

PROJECT REPORT ON

ONLINE JOB PORTAL SYSTEM

Submitted by

ADITHYA PRASAD M

Under the guidance of

Vandhana Krishna



Futura Labs Calicut, Kerala, India

PH: 7994468116

<https://thefuturalabs.com>

CONTENTS

SL.NO	CONTENTS	PAGE NO
01	INTRODUCTION	3
02	CONCEPTUAL MODEL	4
03	DATABASE DESIGN	9
04	BIBLIOGRAPHY	11
05	APPENDIX	12
06	ANNEXURE	14

INTRODUCTION

➤ ABSTRACT

The Online Job Portal System is a web-based platform designed to streamline the process of job searching and recruitment. In a world driven by technological advancements, this system leverages the power of the internet to bridge the gap between job seekers and employers. It offers a comprehensive set of features to enhance the job search and hiring experience for both parties.

The project includes three modules:- Admin, Company and Candidate. The front end is planned to develop with PHP and the back end is set on MYSQL as a database.

➤ MODULES

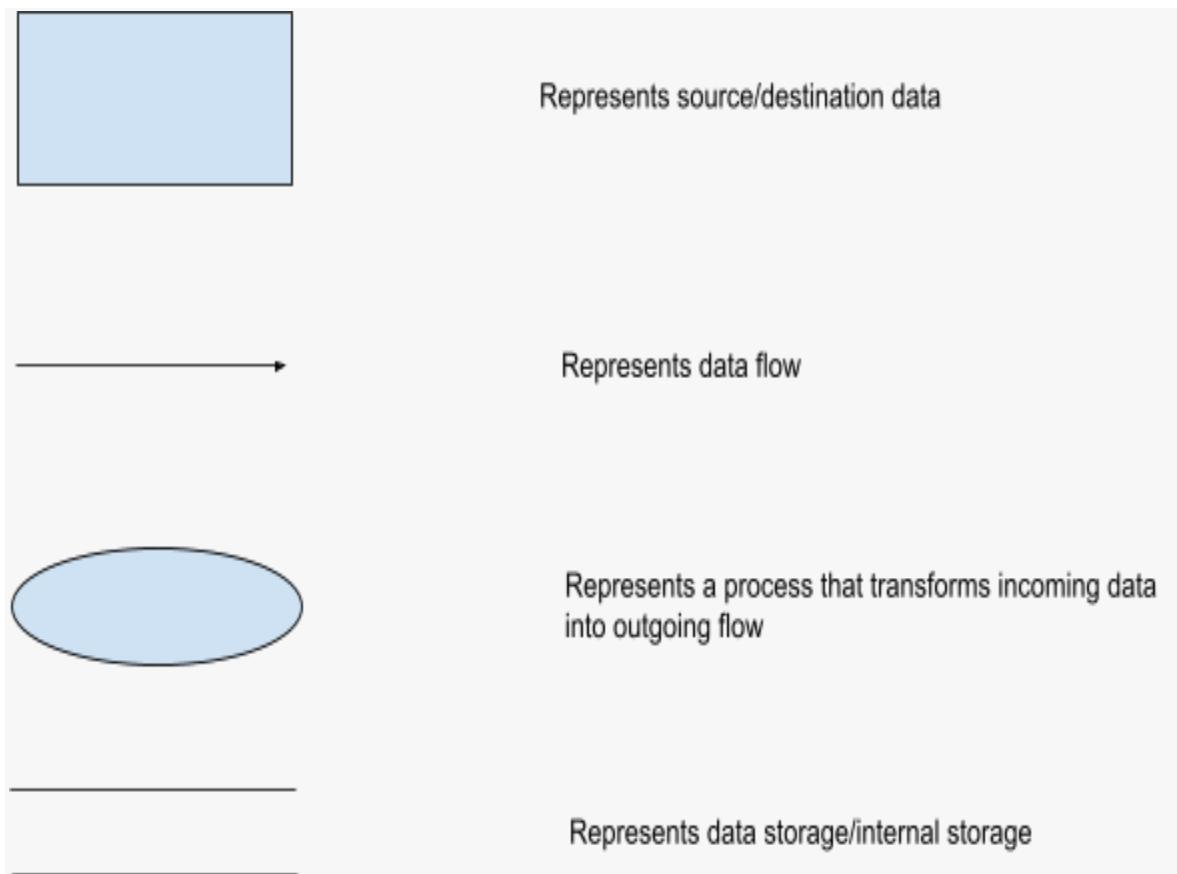
The complete project is divided into three modules. The modularization is based on the type of the users in the system. The different modules based on the type of the users of the system are:

- ADMIN
- COMPANY
- CANDIDATE

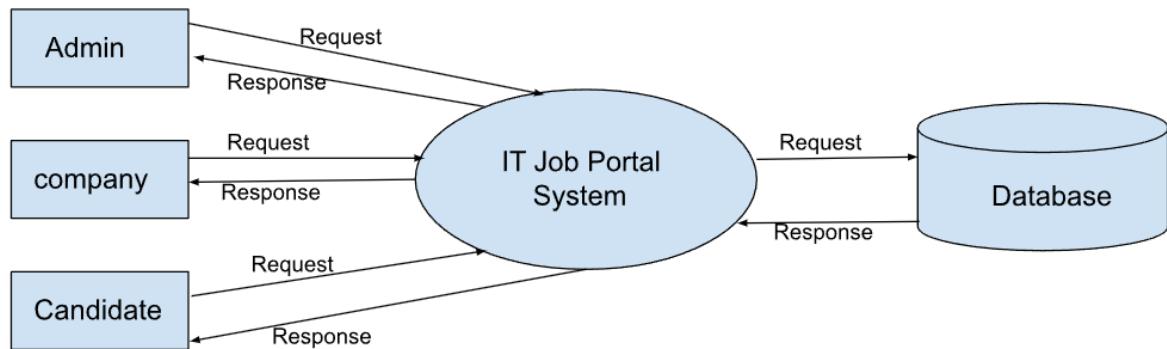
CONCEPTUAL MODELS

➤ REQUIREMENT MODELING DATA FLOW DIAGRAM

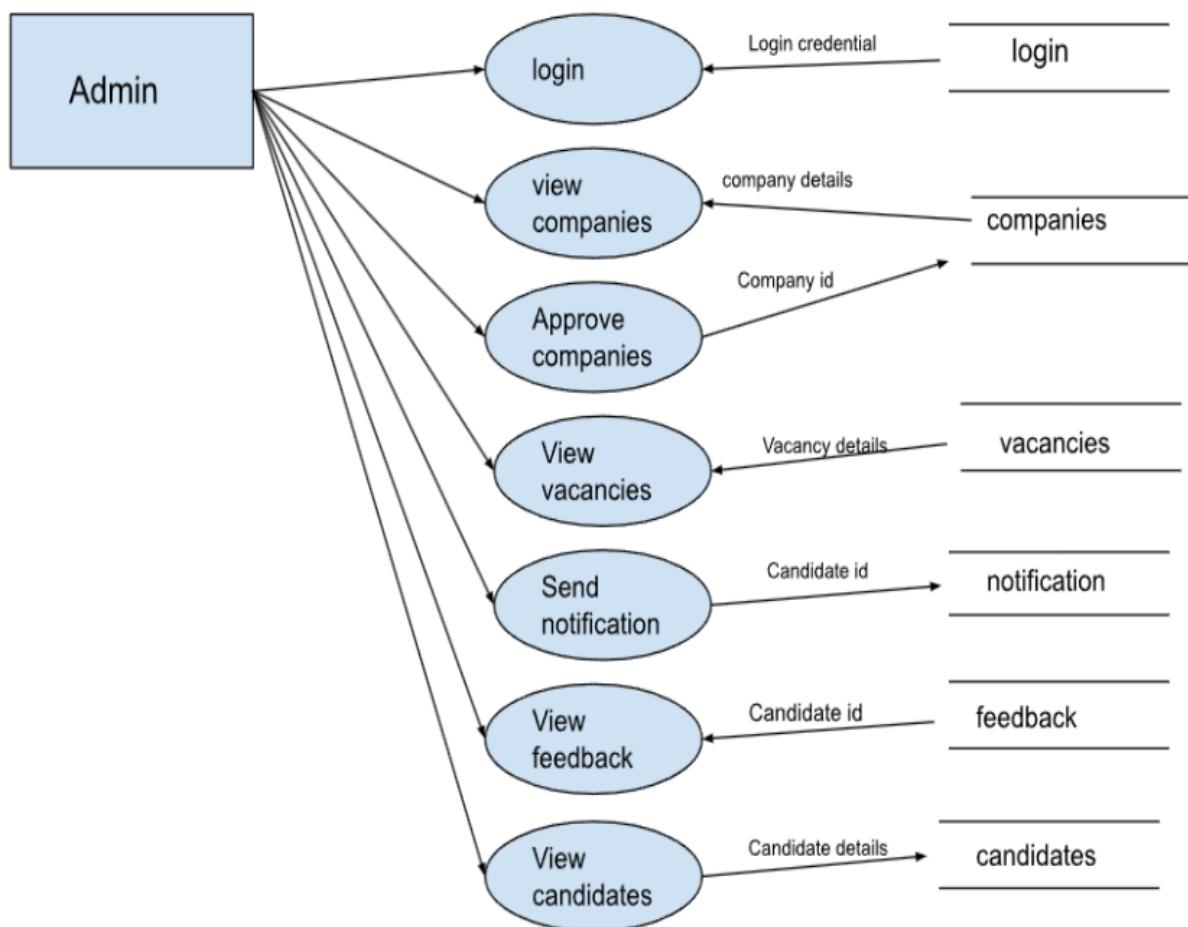
A Data Flow Diagram (DFD) is a graphical representation used to depict the flow of information within a system and its associated resources. DFDs serve as a valuable tool for expressing system requirements in a visual manner. They are often considered one of the most effective tools for structured analysis. DFDs are also sometimes referred to as bubble charts. The primary purpose of a DFD is to clarify system requirements and identify major transformations that will eventually be translated into programs during the system design phase. In the conventional notation, logical DFDs can be created using specific symbols and notations.



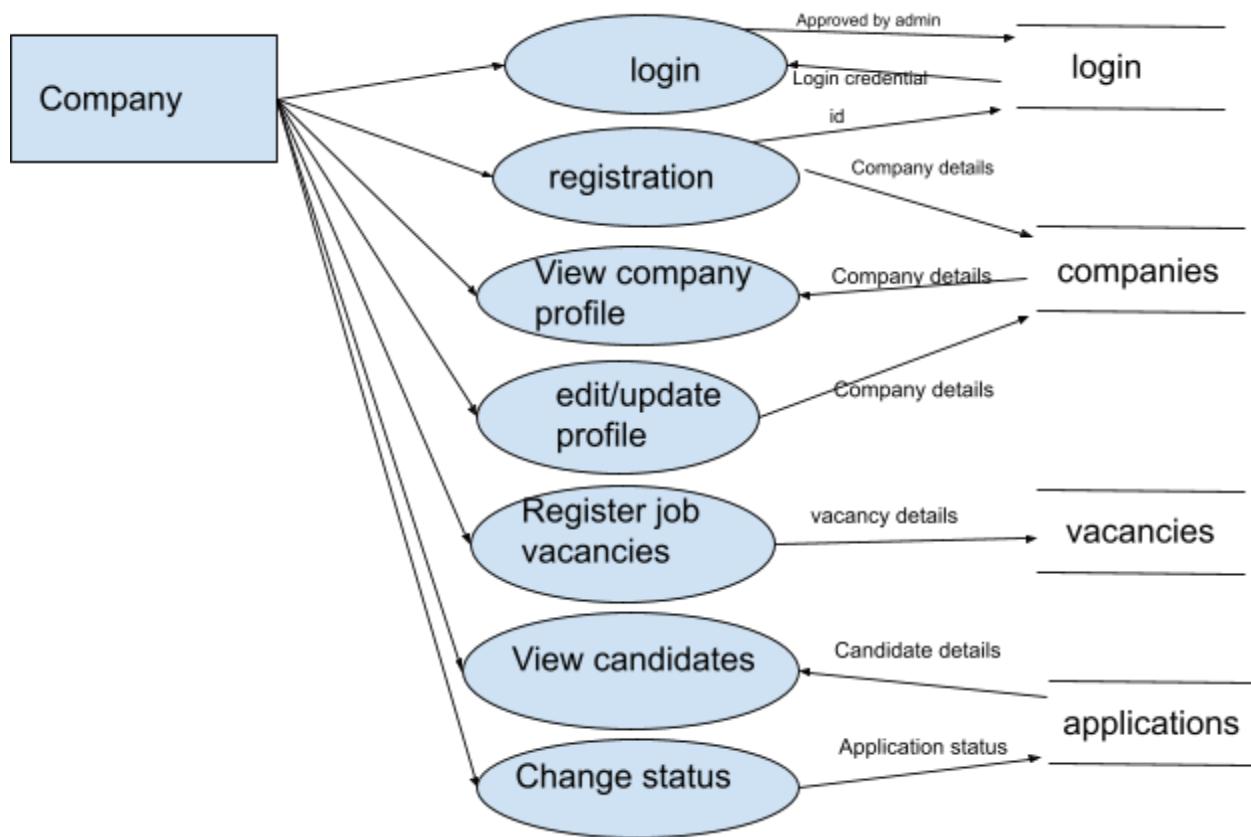
➤ LEVEL 0



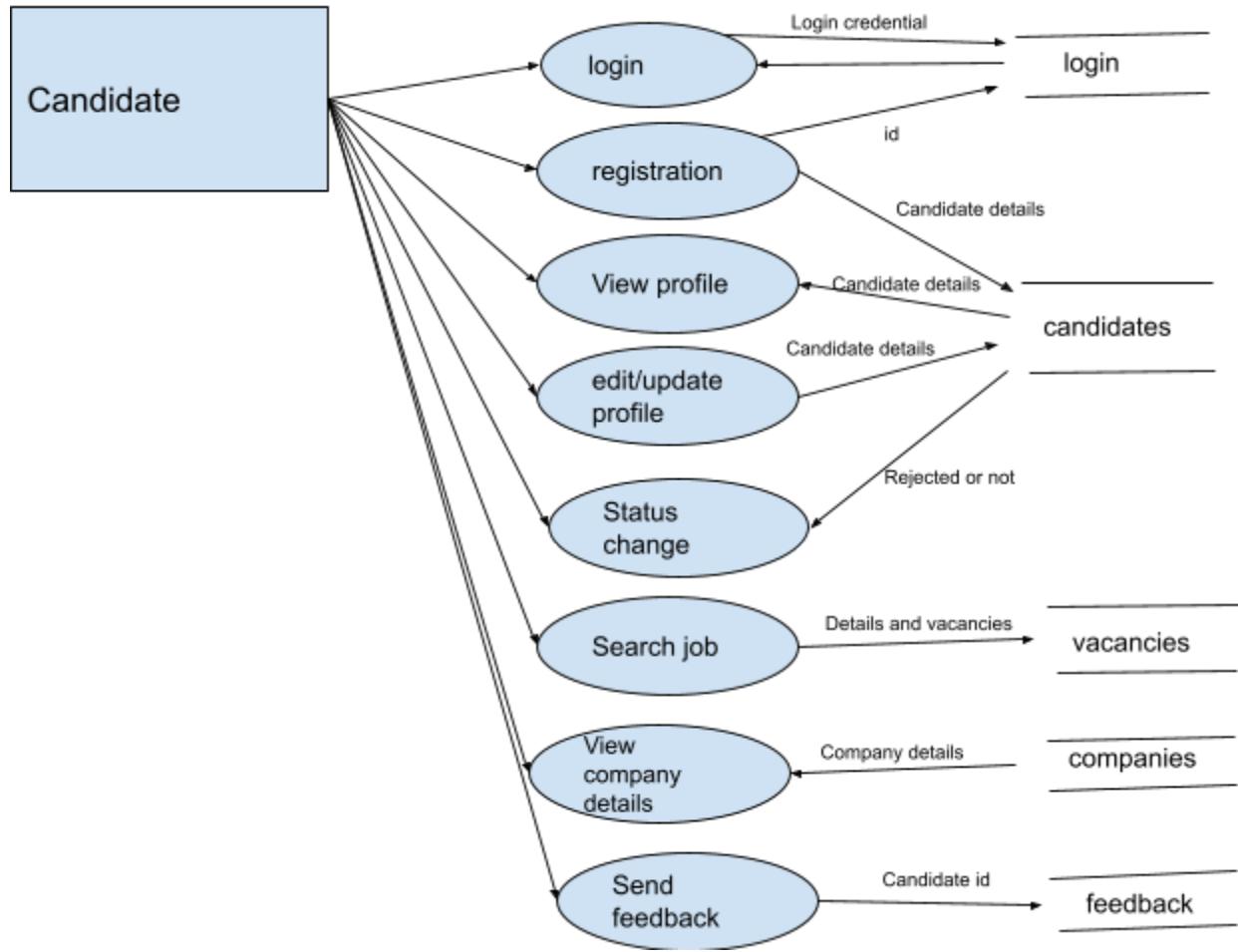
➤ LEVEL 1 - ADMIN



> LEVEL 1 - COMPANY



➤ LEVEL 1 - CANDIDATE



➤ FUNCTIONS

The system after careful analysis has been identified to be presented with the following modules:

- **ADMIN**

- Admin can login without registration with login credentials.
- Admin can view registered companies.
- Admin can view registered candidates to the site.
- Admin can view the registered vacancies to the site.
- Admin can send notifications to the candidate.
- Admin can view feedback from candidates.

- Admin approves companies.
- **COMPANY**
 - Companies can register and login to the system only by the approval of the admin.
 - Companies can register their job vacancies to the system.
 - Companies can view the candidates applied with his profile.
 - Companies can change the status of rejected or interview scheduled.
 - Companies can view their profile and can edit and update.
- **CANDIDATE**
 - Candidates can register to the job portal and login.
 - Candidates can search jobs according to their job title.
 - Candidates can view the details about the company's job.
 - Candidates can view the status changed by the companies rejected or interview scheduled.
 - Candidates can view their profile and can edit and update it.
 - Candidates can send feedback to the admin.

DATABASE DESIGN

A database is a collection of records. The main objective of database design is to provide effective auxiliary storage without any applications and to contribute to the overall efficiency of the computer program. components of the whole system. The organization of data in the database aims to achieve the following objectives.

- Controlled redundancy
- Ease of learning in use
- Data independence
- More information in low cost
- Accuracy and integrity
- Recovery from failures
- Privacy and security
- Performance

The design should be done in a way the information stored in the database can be retrieved quickly whenever necessary. The general theme behind a database is to handle information as an interfered whole. A database is a collection of interrelated data stored with minimum redundancy to serve users quickly and efficiently. Database design runs parallel without application design. As we collect information about what is to be done, we will obviously collect information about data needed to enter, stored messages and printed reports. The designing of the database is done with utmost care and security during the designing phase of the system. Special care was taken to develop a minimum number of databases for the maximum efficiency of the system.

localhost/phpmyadmin/index.php?route=/database/structure&db=it_job_portal_system

Structure **SQL** **Search** **Query** **Export** **Import** **Operations** **Privileges** **Routines** **Events** **Triggers** **Designer**

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
applications	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	32.0 Kib	-
candidates	Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_general_ci	32.0 Kib	-
companies	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 Kib	-
feedback	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	32.0 Kib	-
login	Browse Structure Search Insert Empty Drop	13	InnoDB	utf8mb4_general_ci	16.0 Kib	-
notification	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 Kib	-
schedules	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 Kib	-
vacancies	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 Kib	-

8 tables Sum 30 InnoDB utf8mb4_general_ci 192.0 Kib 0 B

[Check all](#) [With selected:](#)

[Print](#) [Data dictionary](#)

Create new table

Table name: Number of columns: [Create](#)

[Console](#)

localhost/phpmyadmin/index.php?route=/sql&db=it_job_portal_system&table=login&pos=0

Structure **SQL** **Search** **Query** **Export** **Import** **Operations** **Privileges** **Triggers**

Showing rows 0 - 12 (13 total). Query took 0.0004 seconds.

`SELECT * FROM `login``

[Profiling](#) [Edit inline](#) [Edit](#) [Explain SQL](#) [Create PHP code](#) [Refresh](#)

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

	login_id	username	password	login_type
Edit	1	admin@gmail.com	\$2y\$10\$Fg0dNYDgk4eo6SkFH aLuSnnvPaCDp zyp wG0dXe...	Admin
Edit	101	ppta@gmail.com	\$2a\$04\$c0Bgf6EzWlUe6YrXmQfe/6A4N5yA2D9YK5fvlBR...	Company
Edit	102	deft@gmail.com	\$2y\$10\$BUMjCLb3sxqqbH6gOw35.jBpOKiOSpdhMSlu2GF2n...	Company
Edit	103	futura@gmail.com	\$2y\$10\$muuESxPbvgAxuWzTLzxE0E5R3H0WPvwvD7k3FivbX...	Company
Edit	104	bright@gmail.com	\$2y\$10\$A7ewDsC2UfsiKATsdlvqOhYkjLPpK5j1/0KmmnYgf...	Company
Edit	1011	anu@gmail.com	\$2y\$10\$axGXXwsWpV70tklmXEq0.1b6k8OtWnrmWQqRYZu...	Candidate
Edit	1012	amal@gmail.com	\$2y\$10\$34c5gXlrb9yXpXm0Fu7paghH6FYGs1eT7RWxFO7...	Candidate
Edit	1015	hari@gmail.com	\$2y\$10\$0Olzqwx8yyzqH886xWV10W/qP41NQDZQW093Nw6T...	Candidate
Edit	1016	sani@gmail.com	\$2y\$10\$PdU8jYhCE8nxyzD4j4UterOxaP6DlyscKQInNzOB...	Candidate
Edit	1017	anu@gmail.com	\$2y\$10\$kb6NnhCH2vzWx.e01F0em0lxqXw2h9VYpmU3bt...	Candidate
Edit	1018	ram@gmail.com	\$2y\$10\$SMGwPcBu4xwmoIAOTkhBUEG4bQH1HD4dlgn0rx...	Candidate
Edit	1019	janu@gmail.com	\$2y\$10\$1PQL9OeoleVbp0ppuF4skOseQnWlY/x3tVa5YorW...	Candidate
Edit	1020	adithya@gmail.com	\$2y\$10\$eEO25nDOZV/5olhyri6i aaZcWEevPOW1wl16zabkP...	Candidate

[Check all](#) [With selected:](#) [Edit](#) [Copy](#) [Delete](#) [Export](#)

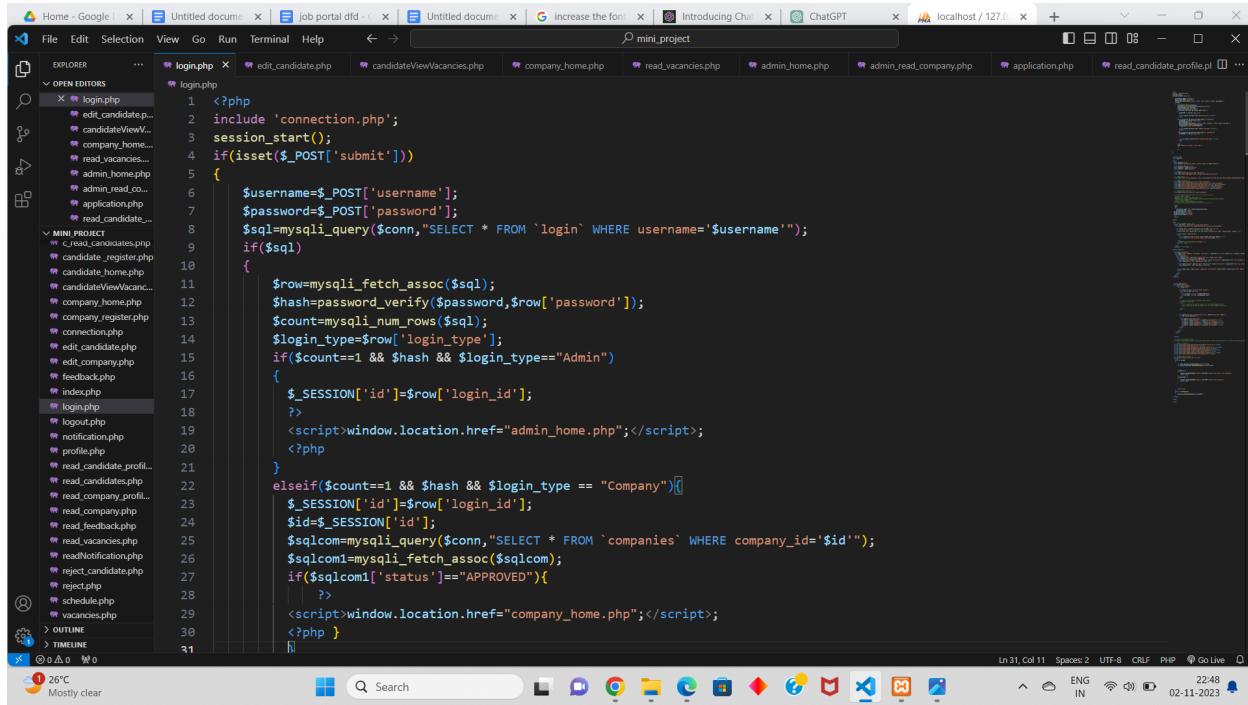
BIBLIOGRAPHY

WEBSITES

1. W3Schools :www.w3schools.com
2. Stack overflow:www.stackoverflow.com
3. ChatGPT:<https://openai.com/blog/chatgpt>

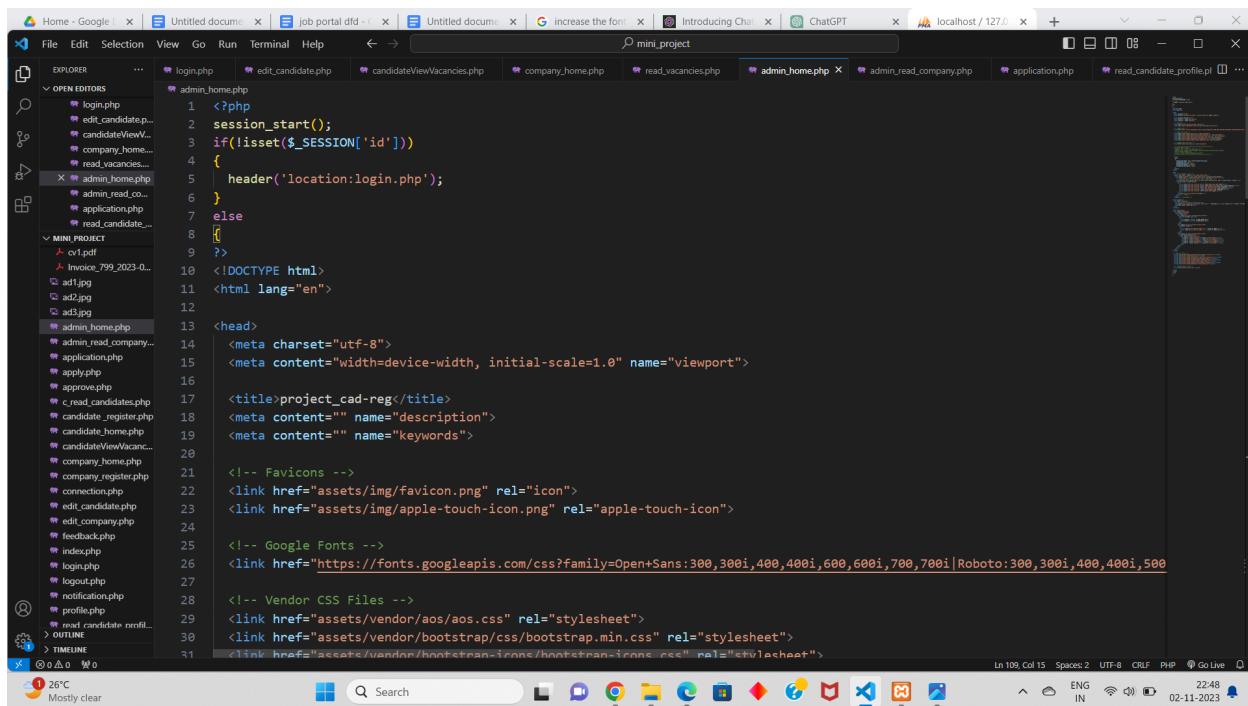
APPENDIX

Code for Login



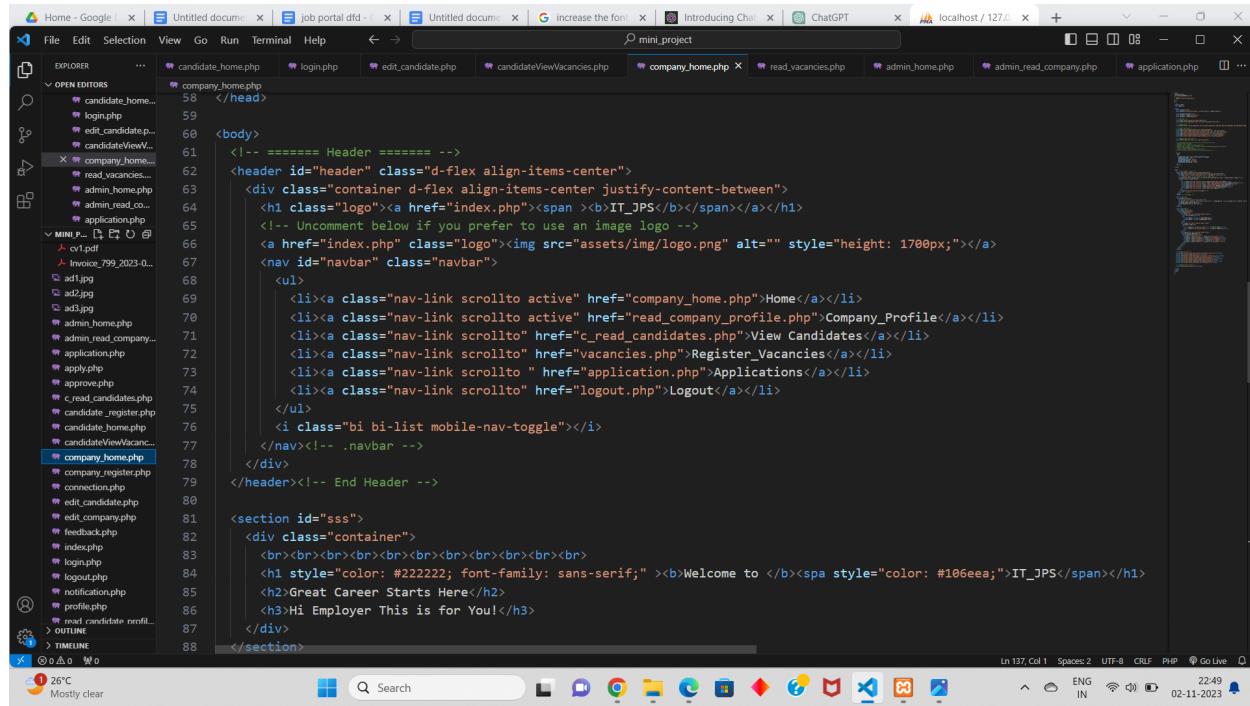
```
login.php
1 <?php
2 include 'connection.php';
3 session_start();
4 if(isset($_POST['submit']))
5 {
6     $username=$_POST['username'];
7     $password=$_POST['password'];
8     $sql=mysqli_query($conn,"SELECT * FROM `login` WHERE username='$username'");
9     if($sql)
10    {
11        $row=mysqli_fetch_assoc($sql);
12        $hash=password_verify($password,$row['password']);
13        $count=mysqli_num_rows($sql);
14        $login_type=$row['login_type'];
15        if($count==1 && $hash && $login_type=="Admin")
16        {
17            $_SESSION['id']=$row['login_id'];
18        }
19        <script>window.location.href="admin_home.php";</script>
20    }
21    elseif($count==1 && $hash && $login_type == "Company")
22    {
23        $_SESSION['id']=$row['login_id'];
24        $id=$_SESSION['id'];
25        $sqlcom=mysqli_query($conn,"SELECT * FROM `companies` WHERE company_id='$id'");
26        $sqlcom1=mysqli_fetch_assoc($sqlcom);
27        if($sqlcom1['status']=="APPROVED")
28        {
29            <script>window.location.href="company_home.php";</script>
30        }
31    }
}
```

Code for Admin Home



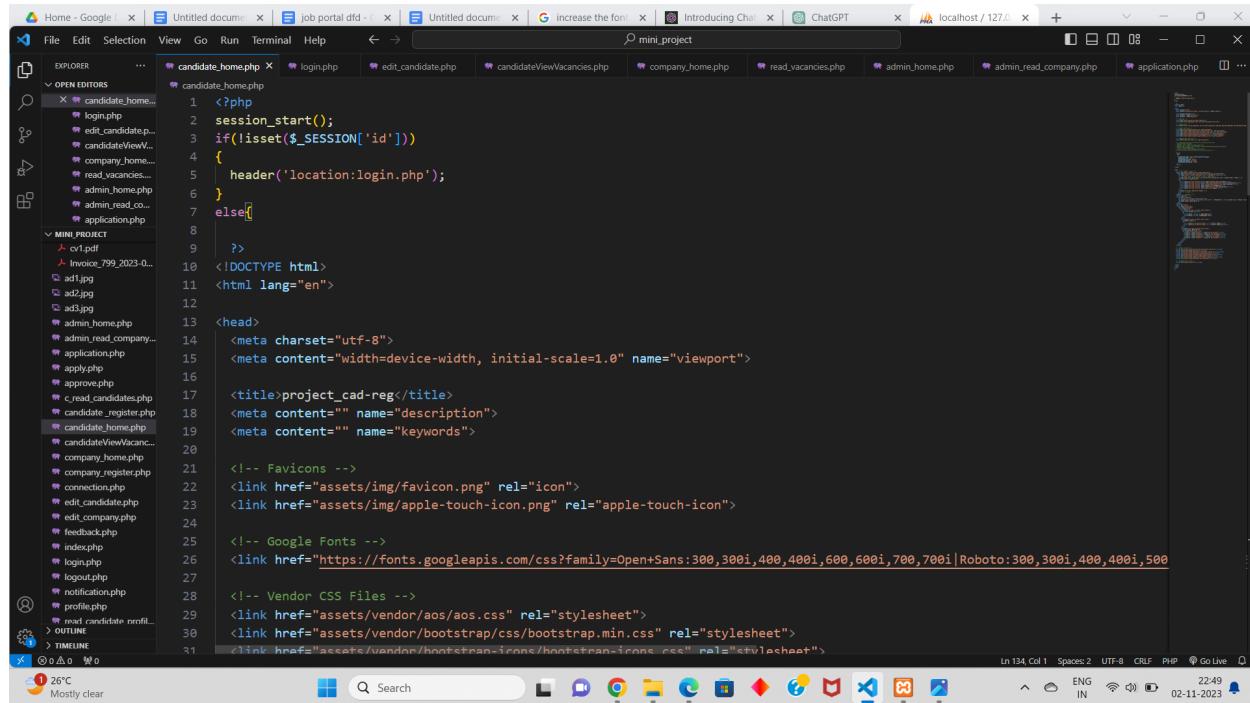
```
admin_home.php
1 <?php
2 session_start();
3 if(!isset($_SESSION['id']))
4 {
5     header('location:login.php');
6 }
else
7 [
8 ?>
9
10 <!DOCTYPE html>
11 <html lang="en">
12
13 <head>
14 <meta charset="utf-8">
15 <meta content="width=device-width, initial-scale=1.0" name="viewport">
16
17 <title>Project CAD-REG</title>
18 <meta content="" name="description">
19 <meta content="" name="keywords">
20
21 <!-- Favicons -->
22 <link href="assets/img/favicon.png" rel="icon">
23 <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
24
25 <!-- Google Fonts -->
26 <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Roboto:300,300i,400,400i,500" rel="stylesheet">
27
28 <!-- Vendor CSS Files -->
29 <link href="assets/vendor/aos/aos.css" rel="stylesheet">
30 <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
31 <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
```

Code for Company Home



```
58 </head>
59
60 <body>
61 <!-- ===== Header ===== -->
62 <header id="header" class="d-flex align-items-center justify-content-between">
63 <div class="container d-flex align-items-center justify-content-between">
64 <h1 class="logo"><a href="index.php"><span>IT_JPS</span></a></h1>
65 <!-- Uncomment below if you prefer to use an image logo -->
66 <a href="index.php" class="logo"></a>
67 <nav id="navbar" class="navbar">
68 <ul>
69 <li><a class="nav-link scrollto active" href="company_home.php">Home</a></li>
70 <li><a class="nav-link scrollto active" href="read_company_profile.php">Company_Profile</a></li>
71 <li><a class="nav-link scrollto" href="c_read_candidates.php">View Candidates</a></li>
72 <li><a class="nav-link scrollto" href="vacancies.php">Register_Vacancies</a></li>
73 <li><a class="nav-link scrollto" href="application.php">Applications</a></li>
74 <li><a class="nav-link scrollto" href="logout.php">Logout</a></li>
75 </ul>
76 <i class="bi bi-list mobile-nav-toggle"></i>
77 </nav><!-- .navbar -->
78 </div>
79 </header><!-- End Header -->
80
81 <section id="sss">
82 <div class="container">
83 <br><br><br><br><br><br><br><br>
84 <h1 style="color: #222222; font-family: sans-serif;"><b>Welcome to </b><span style="color: #106eea;">IT_JPS</span></h1>
85 <h2>Great Career Starts Here</h2>
86 <h3>Hi Employer This is for You!</h3>
87 </div>
88 </section>
```

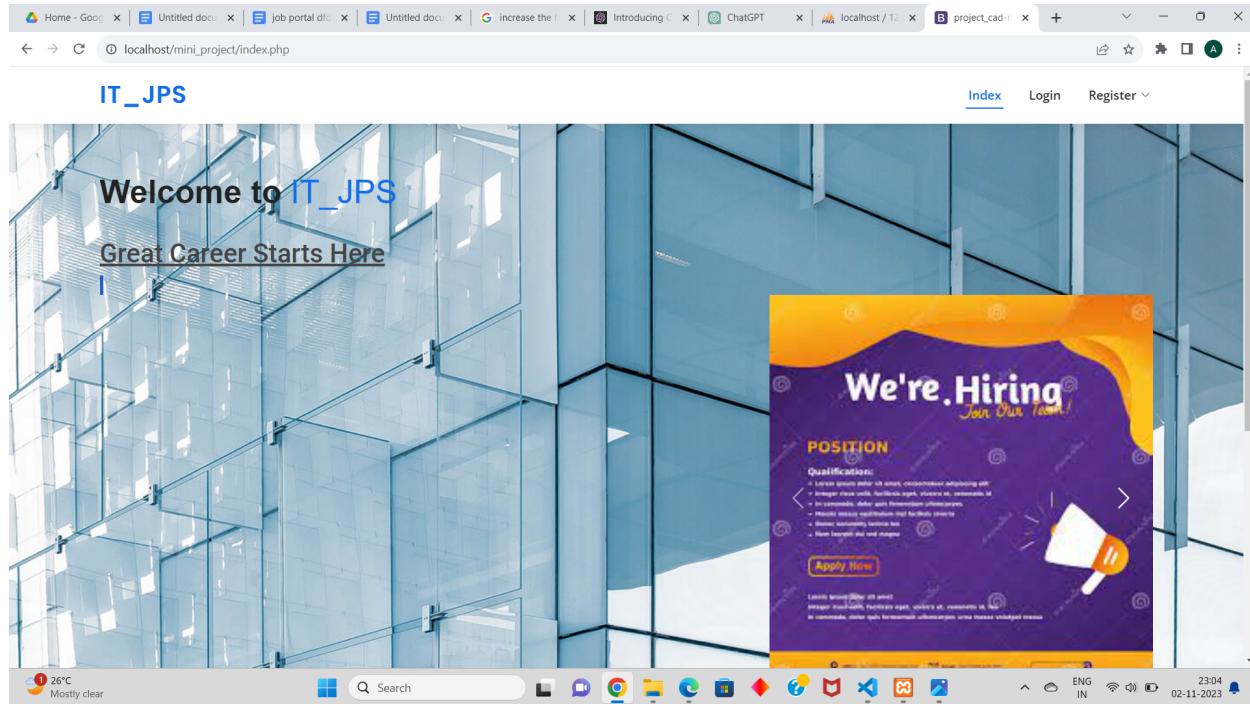
Code for Candidate Home



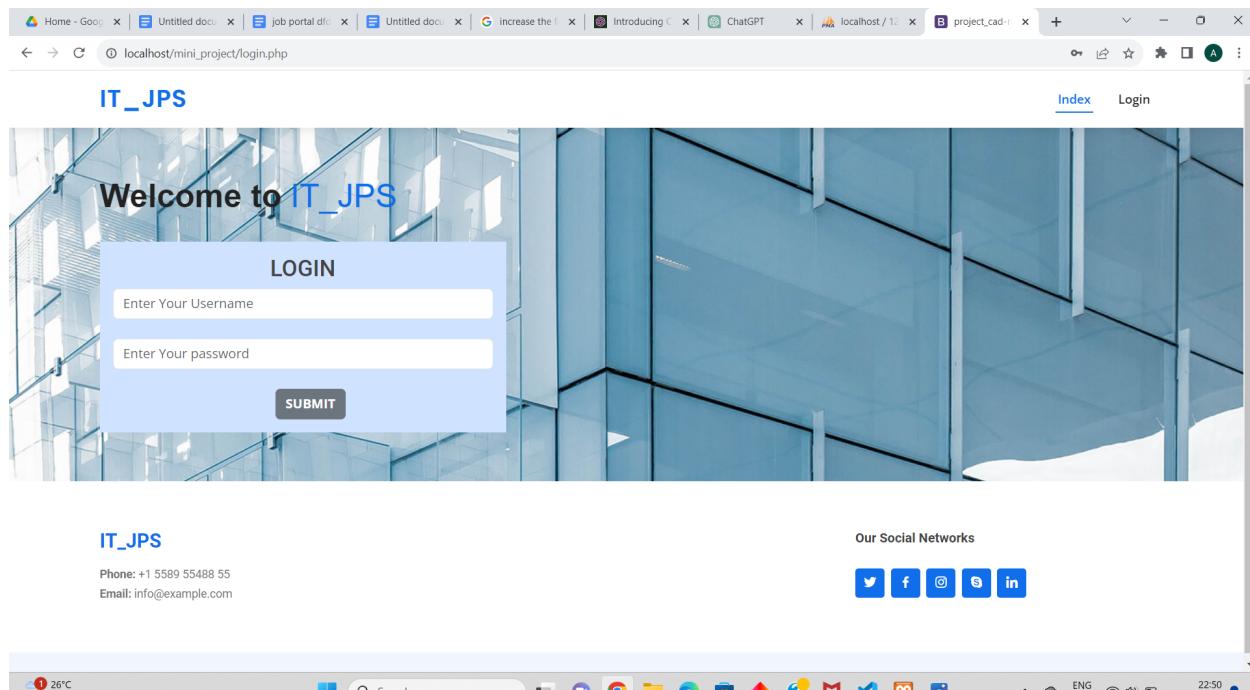
```
1 <?php
2 session_start();
3 if(!isset($_SESSION['id'])) {
4
5 header('location:login.php');
6
7 else{
8
9 ?>
10 <!DOCTYPE html>
11 <html lang="en">
12
13 <head>
14 <meta charset="utf-8">
15 <meta content="width=device-width, initial-scale=1.0" name="viewport">
16
17 <title>project_cad-reg</title>
18 <meta content="" name="description">
19 <meta content="" name="keywords">
20
21 <!-- Favicons -->
22 <link href="assets/img/favicon.png" rel="icon">
23 <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
24
25 <!-- Google Fonts -->
26 <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Roboto:300,300i,400,400i,500
27
28 <!-- Vendor CSS Files -->
29 <link href="assets/vendor/aos/aos.css" rel="stylesheet">
30 <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
31 <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
```

ANNEXURE

Splash page



Login page



➤ FOR ADMIN

Admin Home

IT_JPS

Welcome to IT_JPS
Great Career Starts Here

Useful Links

- Home
- About us

Our Social Networks

Twitter Facebook Instagram LinkedIn

26°C Mostly clear

23:10 02-11-2023

View Companies

IT_JPS

Welcome to IT_JPS
Companies Registered

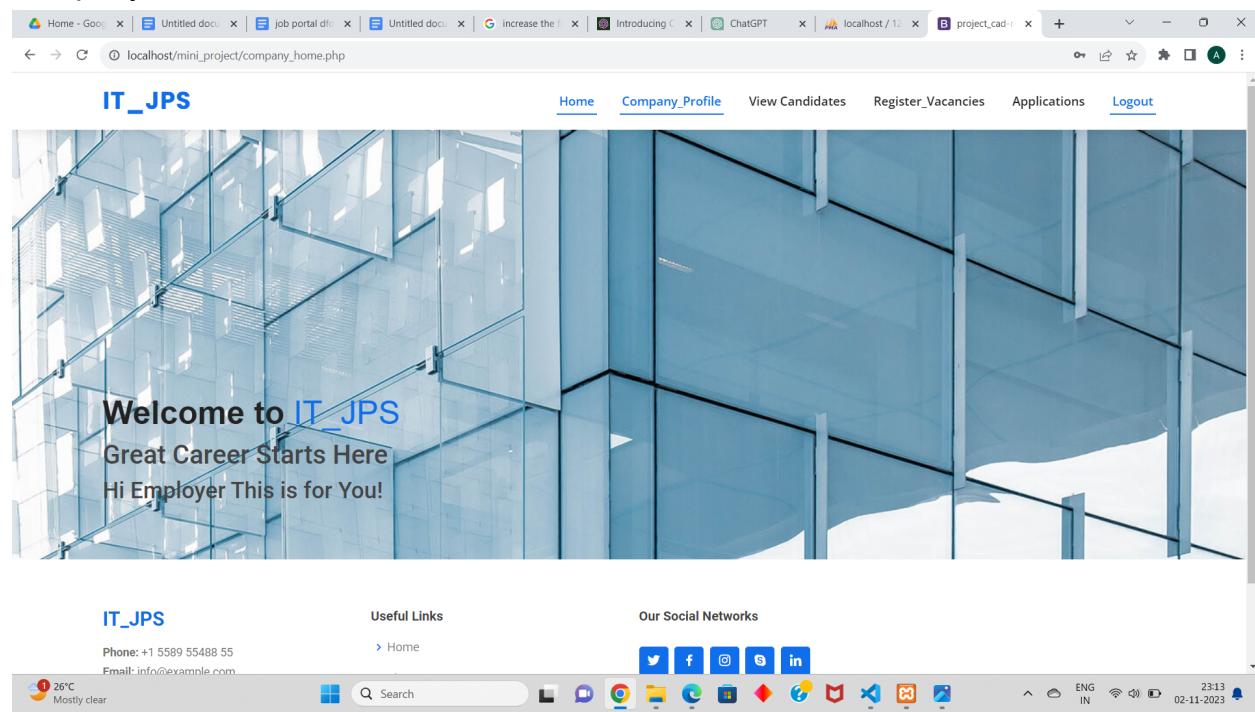
Company	Location	Email	Phone	Status	Action
PPTA Consultancy	calicut	ppta@gmail.com	9856321458	APPROVED	Approve Reject
Deft innovations	Calicut	deft@gmail.com	6547896311	APPROVED	Approve Reject
futura	calicut	futura@gmail.com	985632145875	REJECTED	Approve Reject
bright	calicut	bright@gmail.com	9878909876	APPROVED	Approve Reject

26°C Mostly clear

22:51 02-11-2023

➤ FOR COMPANY

Company Home



IT_JPS

Welcome to IT_JPS
Great Career Starts Here
Hi Employer This is for You!

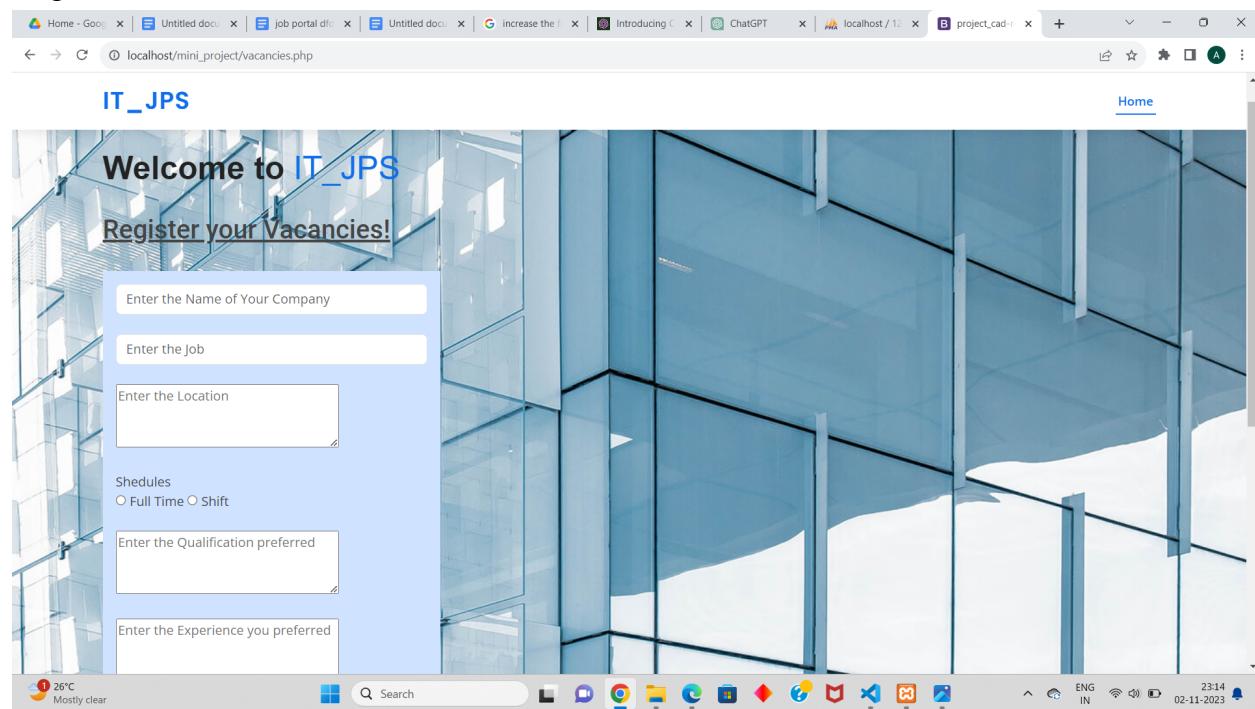
Useful Links

Our Social Networks

Phone: +1 5589 55488 55
Email: info@example.com

26°C Mostly clear

Register Vacancies



IT_JPS

Welcome to IT_JPS
Register your Vacancies!

Enter the Name of Your Company

Enter the Job

Enter the Location

Schedules
 Full Time Shift

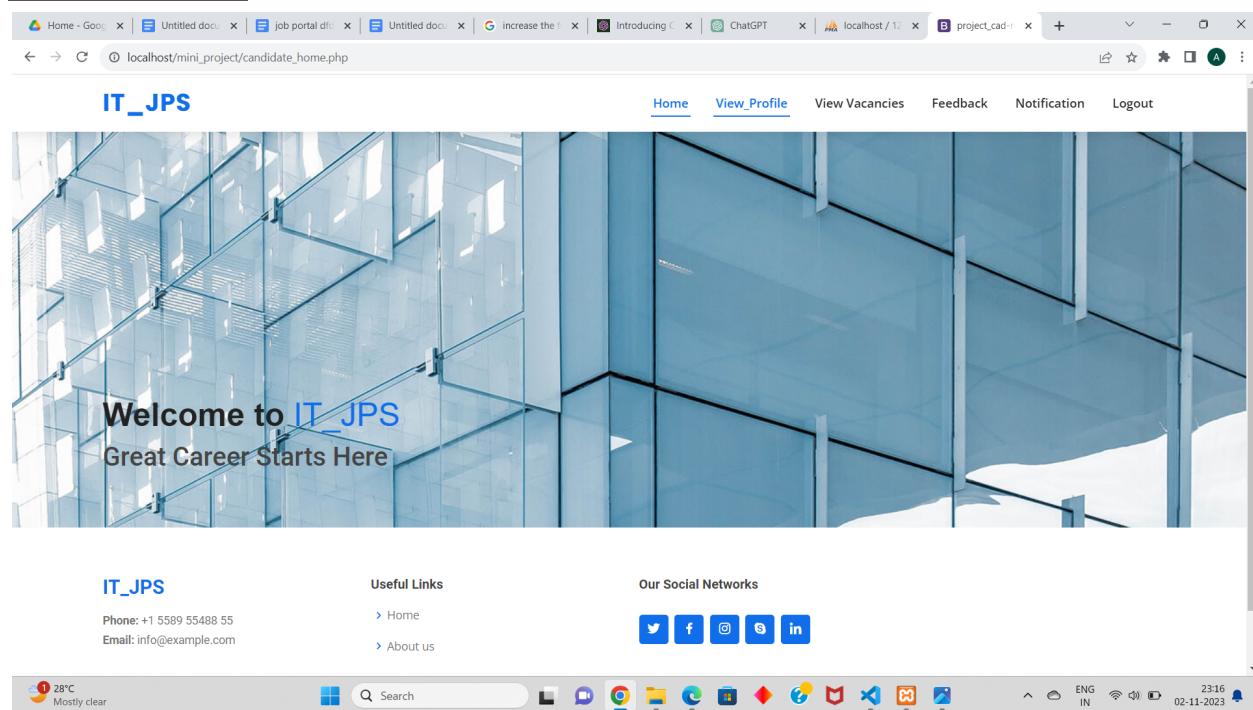
Enter the Qualification preferred

Enter the Experience you preferred

26°C Mostly clear

➤ FOR CANDIDATE

Candidate Home



IT_JPS

Welcome to **IT_JPS**
Great Career Starts Here

[Home](#) [View_Profile](#) [View Vacancies](#) [Feedback](#) [Notification](#) [Logout](#)

IT_JPS

Phone: +1 5589 55488 55
Email: info@example.com

Useful Links

Home
About us

Our Social Networks

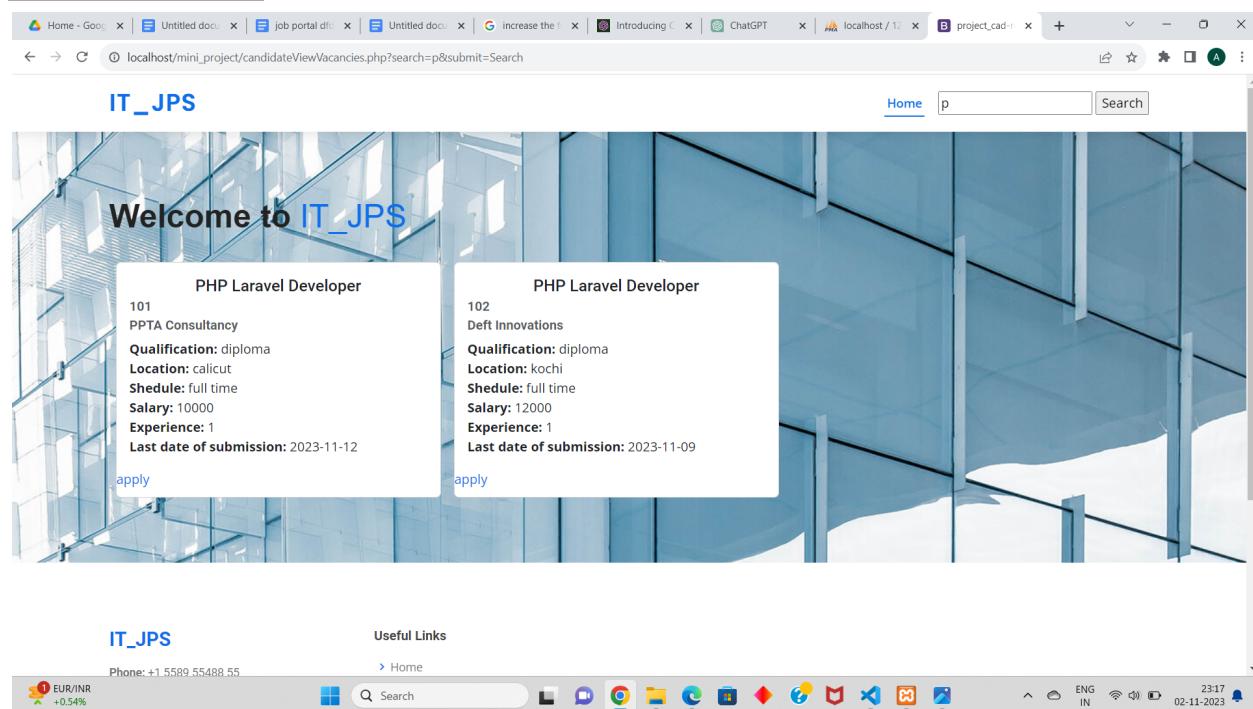
Twitter Facebook Instagram LinkedIn

28°C Mostly clear

Search

ENG IN 23:16 02-11-2023

Search Vacancies



IT_JPS

Welcome to **IT_JPS**

PHP Laravel Developer
101
PPTA Consultancy
Qualification: diploma
Location: calicut
Schedule: full time
Salary: 10000
Experience: 1
Last date of submission: 2023-11-12
[apply](#)

PHP Laravel Developer
102
Deft Innovations
Qualification: diploma
Location: kochi
Schedule: full time
Salary: 12000
Experience: 1
Last date of submission: 2023-11-09
[apply](#)

[Home](#) [Search](#)

IT_JPS

Phone: +1 5589 55488 55

Useful Links

Home

Our Social Networks

Twitter Facebook Instagram LinkedIn

EUR/INR +0.54%

Search

ENG IN 23:17 02-11-2023