

PROJECT REPORT ON

# ONLINE JOB PORTAL SYSTEM

Submitted by

**ADITHYA PRASAD M**

Under the guidance of

**Vandhana Krishna  
Gana**



**FUTURA LABS**  
ENABLE • TRANSFORM • ACCELERATE

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
07	CONCLUSION	18

# 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

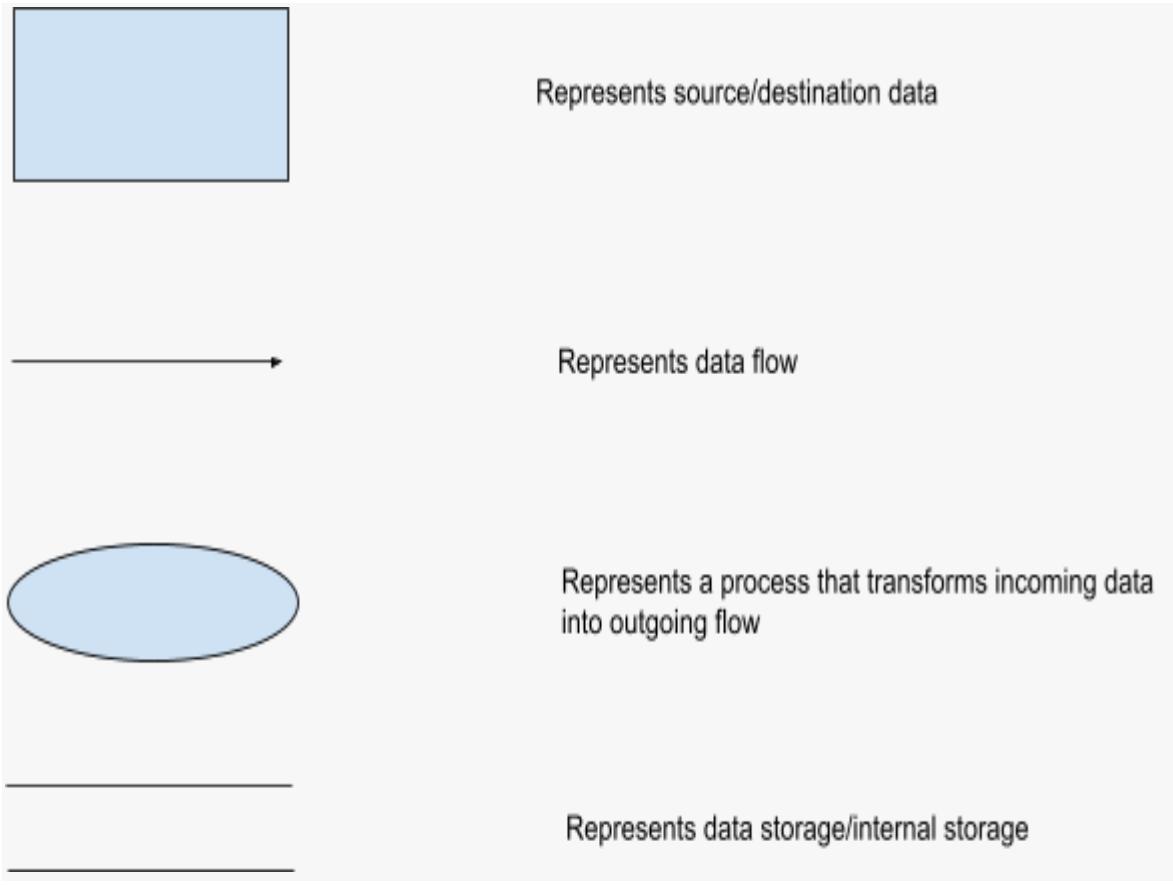
The complete project is divided into three modules. The modularization is based on the type of the users in the system. The different modules based on the type of the users of the system are:

- ADMIN
- COMPANY
- CANDIDATE

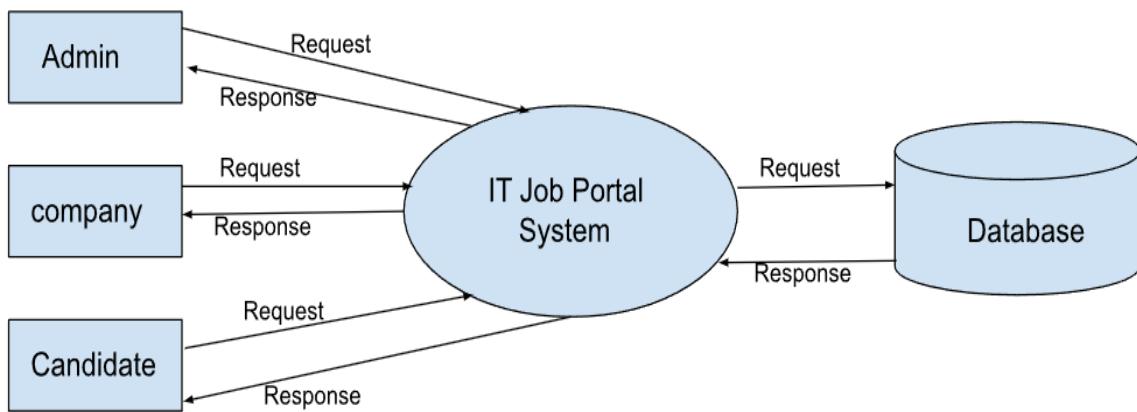
# CONCEPTUAL MODELS

## ➤ REQUIREMENT MODELING DATA FLOW DIAGRAM

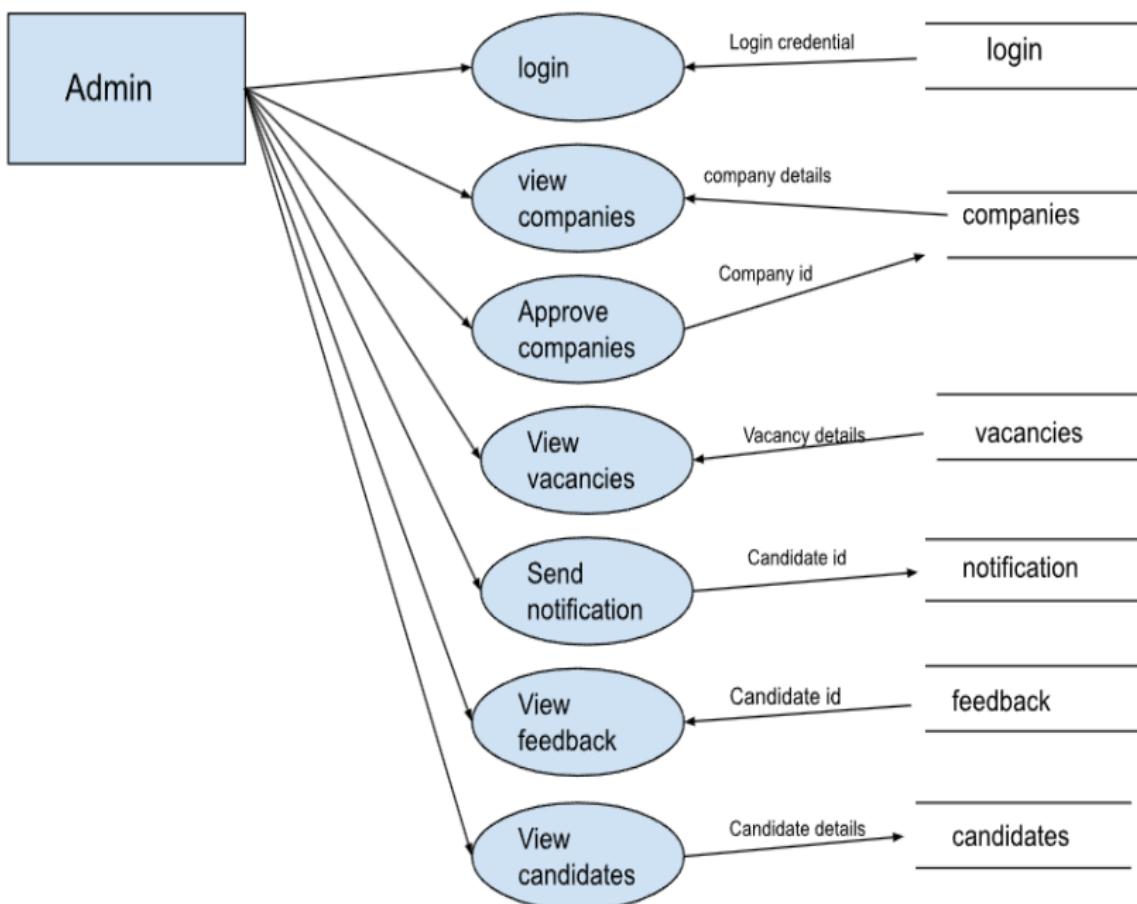
A Data Flow Diagram (DFD) is a graphical representation used to depict the flow of information within a system and its associated resources. DFDs serve as a valuable tool for expressing system requirements in a visual manner. They are often considered one of the most effective tools for structured analysis. 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.



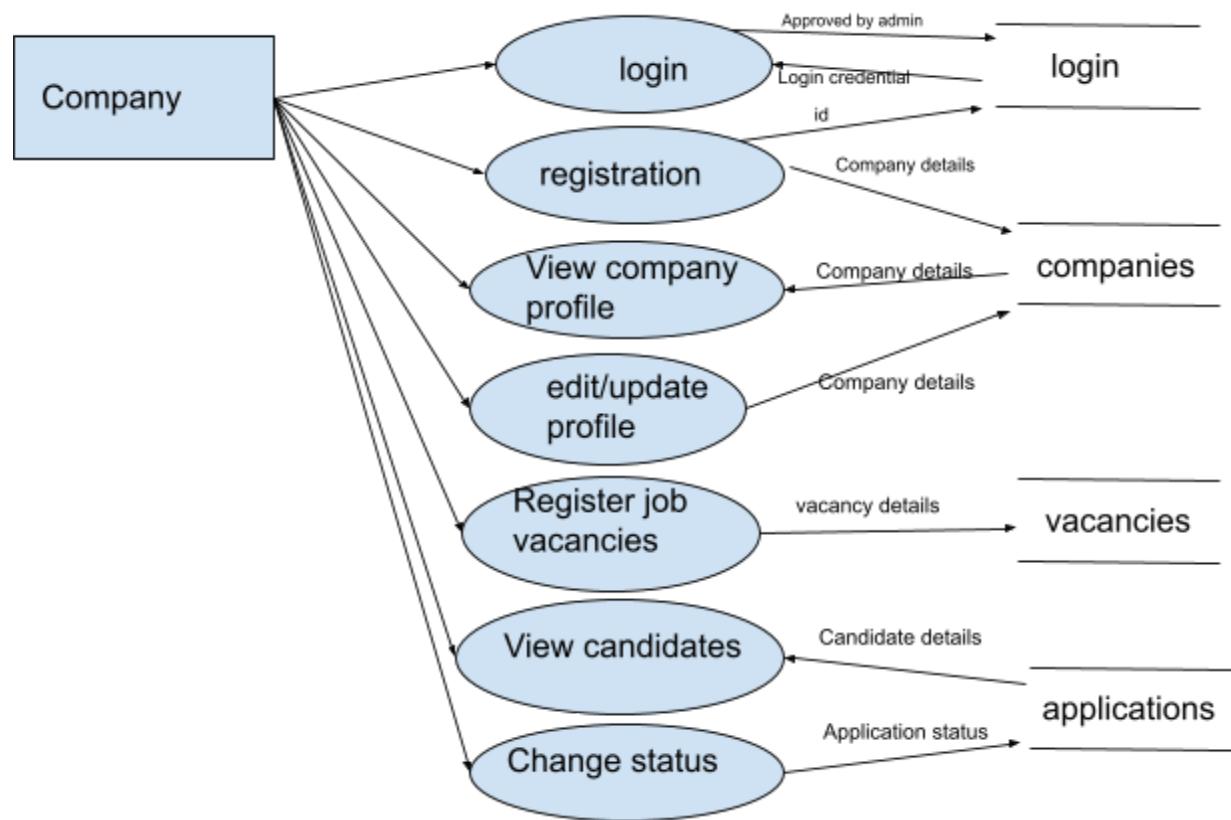
## ➤ LEVEL 0



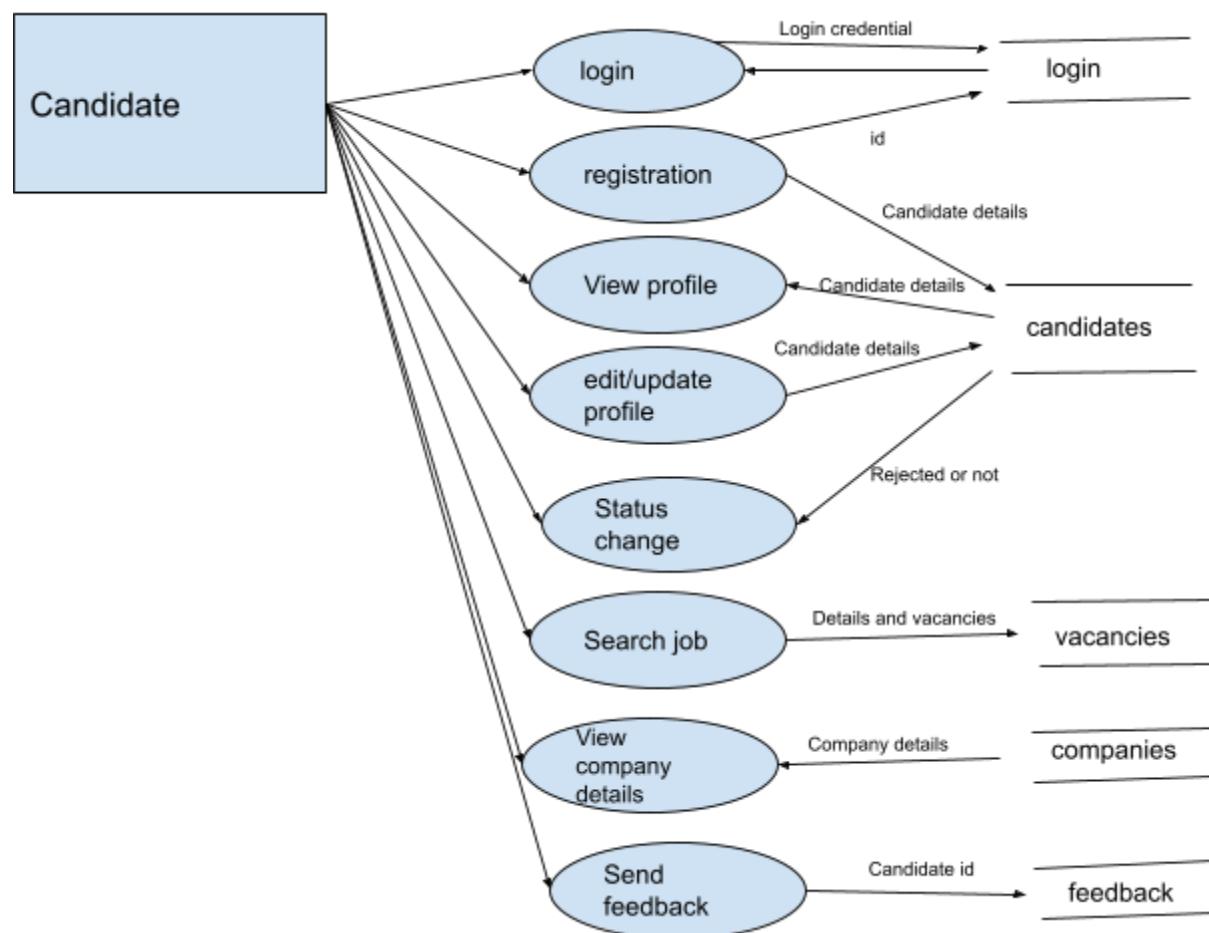
## ➤ LEVEL 1 - ADMIN



## ➤ 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/127.0.1.1

Database: it\_job\_portal\_system

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

Filters 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 38 InnoDB utf8mb4\_general\_ci 192.0 KIB 8 B

Print Data dictionary Create new table

Table name Number of columns [ ] 4 Create

Console

localhost/127.0.1.1

Database: it\_job\_portal\_system

Table: login

Browse Structure SQL Search Insert Export Import Operations 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

Extra options

	login_id	username	password	login_type
<input type="checkbox"/>	1	admin@gmail.com	\$2y\$10\$Fg0dNYDgk4eo6SkHFh.aLuShmVPaCdP.zyp.wGoDxe...	Admin
<input type="checkbox"/>	101	ppta@gmail.com	\$2y\$04\$c6B9gflEzwLlUe6YKXMoI6a4NSyA2DVK5flvBR...	Company
<input type="checkbox"/>	102	def@gmail.com	\$2y\$10\$5JUMCLb3sqqH6gQw3...JVBpOKOSpdhMSlu2GFzn...	Company
<input type="checkbox"/>	103	futura@gmail.com	\$2y\$10\$miuESxyPbvgJxuWzLlx:zOesR3HOWPwewD7kFlvzbX...	Company
<input type="checkbox"/>	104	bright@gmail.com	\$2y\$10\$AyeaWdCZUFsikAtsdwvOHkjLpPk5j10KmnYgf...	Company
<input type="checkbox"/>	1011	anu@gmail.com	\$2y\$10\$gAGXxsWpV70TRkmEqO1b6kI0lwWnmWQqRYZu...	Candidate
<input type="checkbox"/>	1012	ama@gmail.com	\$2y\$10\$54eSgXL0b9XpXMoWu7pagHf6YGs1ETSWxF07...	Candidate
<input type="checkbox"/>	1015	han@gmail.com	\$2y\$10\$0OIzqwx8yzqHl886xWV10W/qf41NjQDZQW9s93NW6TJ...	Candidate
<input type="checkbox"/>	1016	santu@gmail.com	\$2y\$10\$PdJ0VhYe8nxyzJ4u4UterXaPdJysckQlnN2Z...	Candidate
<input type="checkbox"/>	1017	anu@gmail.com	\$2y\$10\$kb8NhxCH2vzX.e01fWmoI0x9qJwzh9VpmU3b...	Candidate
<input type="checkbox"/>	1018	ram@gmail.com	\$2y\$10\$SMGwPcBu4ixwmoI0TkhBUEG4bQH1H4d4lghnrx...	Candidate
<input type="checkbox"/>	1019	janu@gmail.com	\$2y\$10\$PQL90eoIvtb0ppuf4skOseqWnWYx3tVa5YnWmj...	Candidate
<input type="checkbox"/>	1020	adithya@gmail.com	\$2y\$10\$e02snDOZV50lyri8i aaZcWEevPOW1w16zabkP...	Candidate

Console

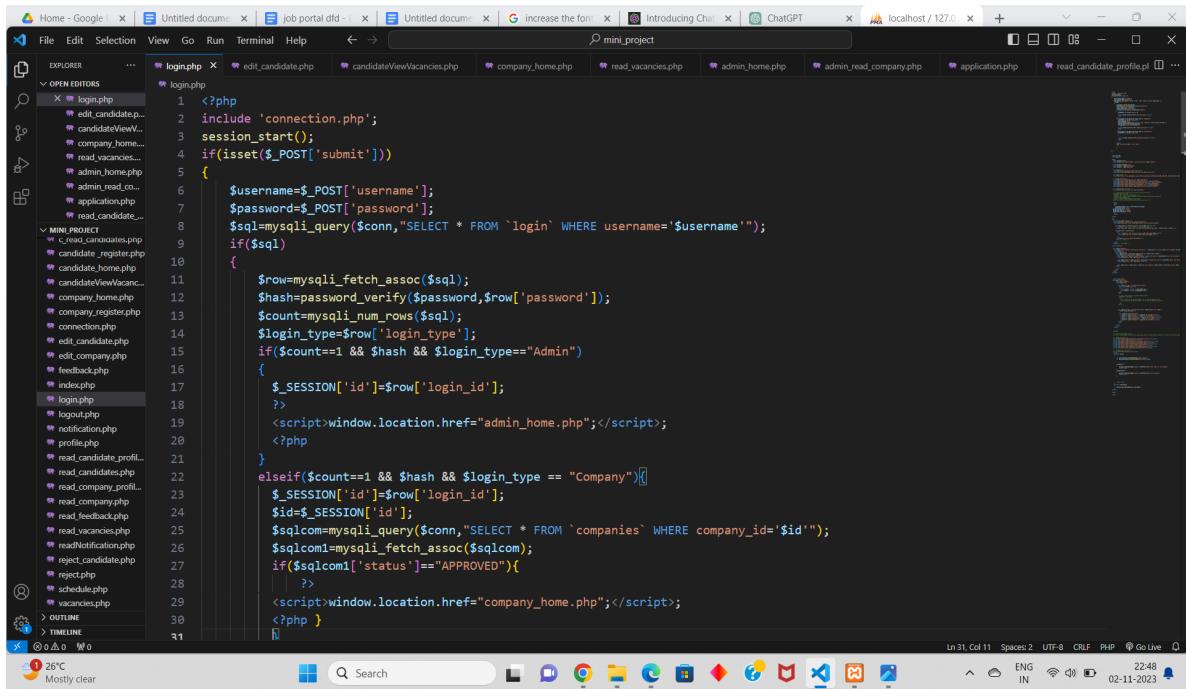
# BIBLIOGRAPHY

## WEBSITES

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

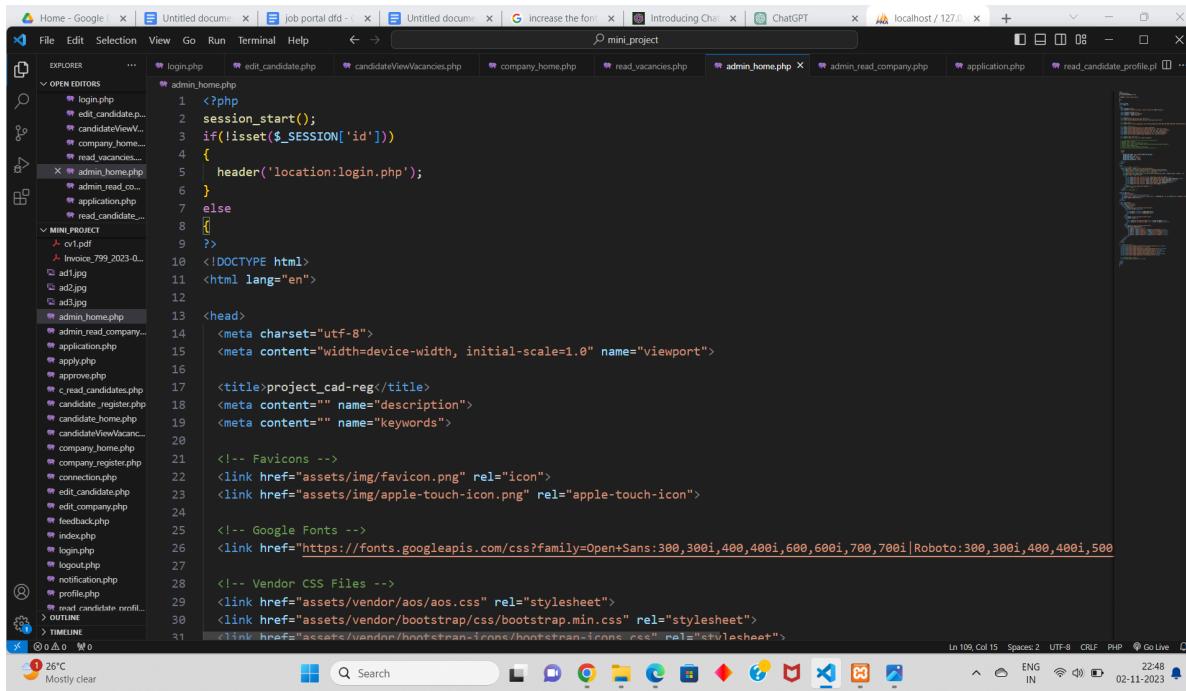
# APPENDIX

## Code for Login



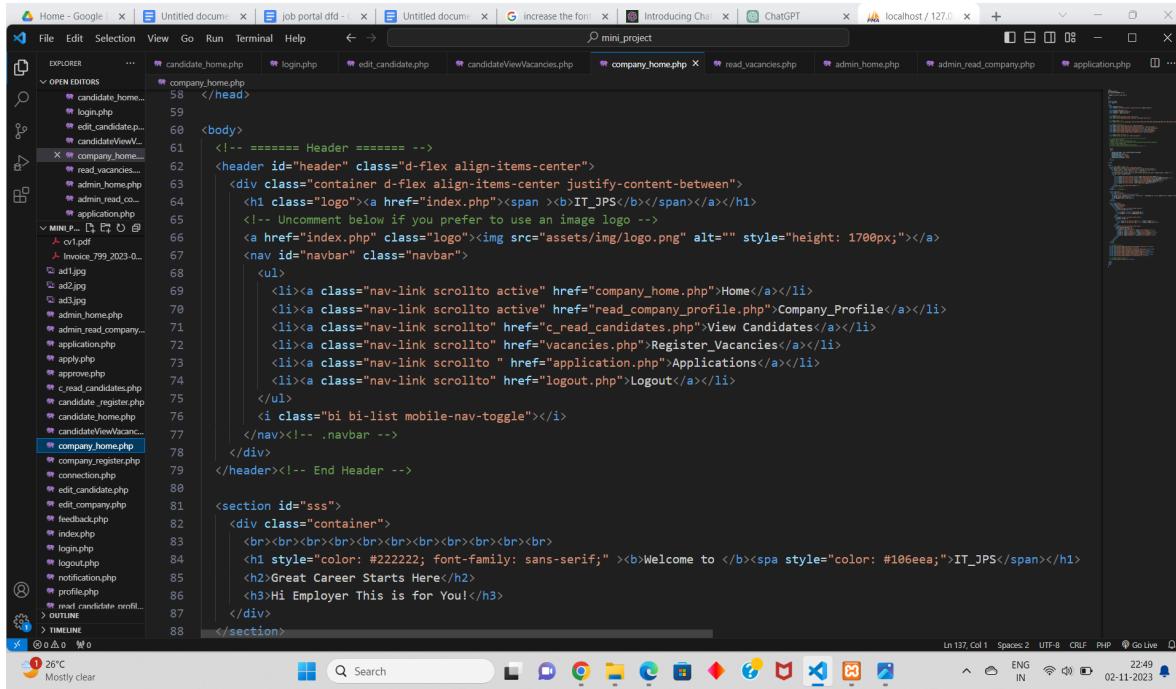
```
<?php
include 'connection.php';
session_start();
if(isset($_POST['submit'])) {
    $username=$_POST['username'];
    $password=$_POST['password'];
    $sql=mysqli_query($conn,"SELECT * FROM `login` WHERE username='$username'");
    if($sql) {
        $row=mysqli_fetch_assoc($sql);
        $hash=password_verify($password,$row['password']);
        $count=mysqli_num_rows($sql);
        $login_type=$row['login_type'];
        if($count==1 && $hash && $login_type=="Admin") {
            $_SESSION['id']=$row['login_id'];
            >>>
            <script>window.location.href="admin_home.php";</script>;
            <?php
        } elseif($count==1 && $hash && $login_type == "Company") {
            $_SESSION['id']=$row['login_id'];
            $id=$_SESSION['id'];
            $sqlcom=mysqli_query($conn,"SELECT * FROM `companies` WHERE company_id='$id'");
            $sqlcom1=mysqli_fetch_assoc($sqlcom);
            if($sqlcom1['status']=="APPROVED") {
                >>>
                <script>window.location.href="company_home.php";</script>;
            <?php
        }
    }
}
```

## Code for Admin Home



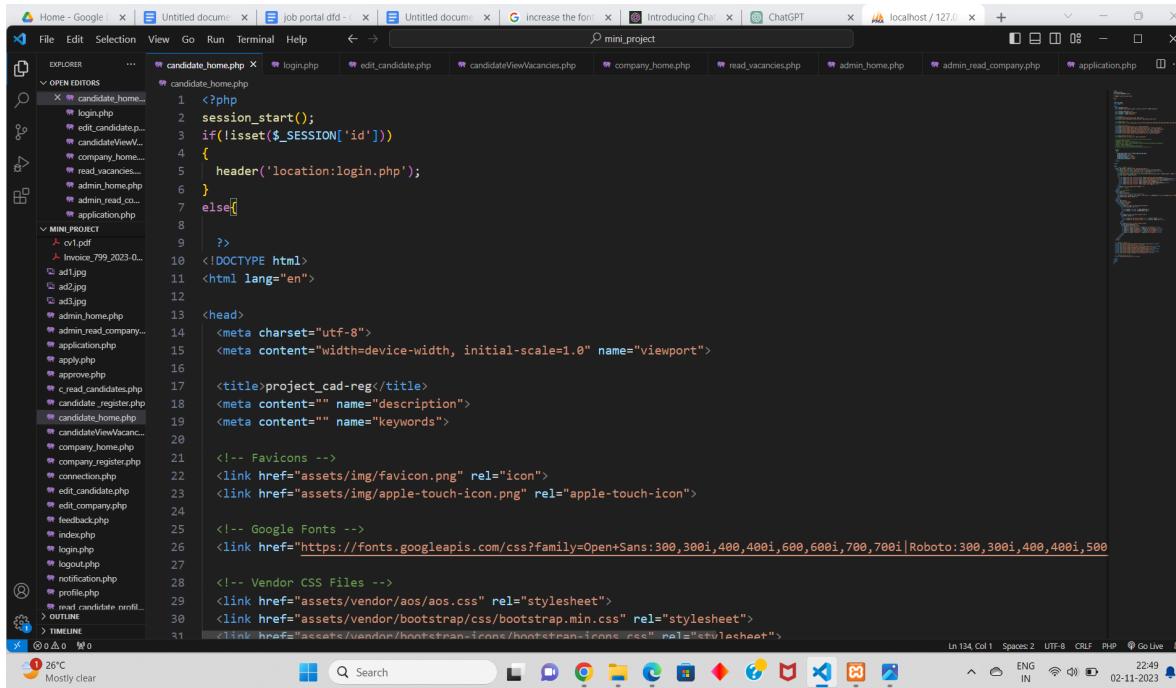
```
<?php
session_start();
if(!isset($_SESSION['id'])) {
    header('location:login.php');
} else {
    [
    ?
10 <!DOCTYPE html>
11 <html lang="en">
12
13 <head>
14     <meta charset="utf-8">
15     <meta content="width=device-width, initial-scale=1.0" name="viewport">
16
17     <title>project_cad-reg</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">
```

## Code for Company Home



```
candidate_home.php
company_home.php
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>
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>
```

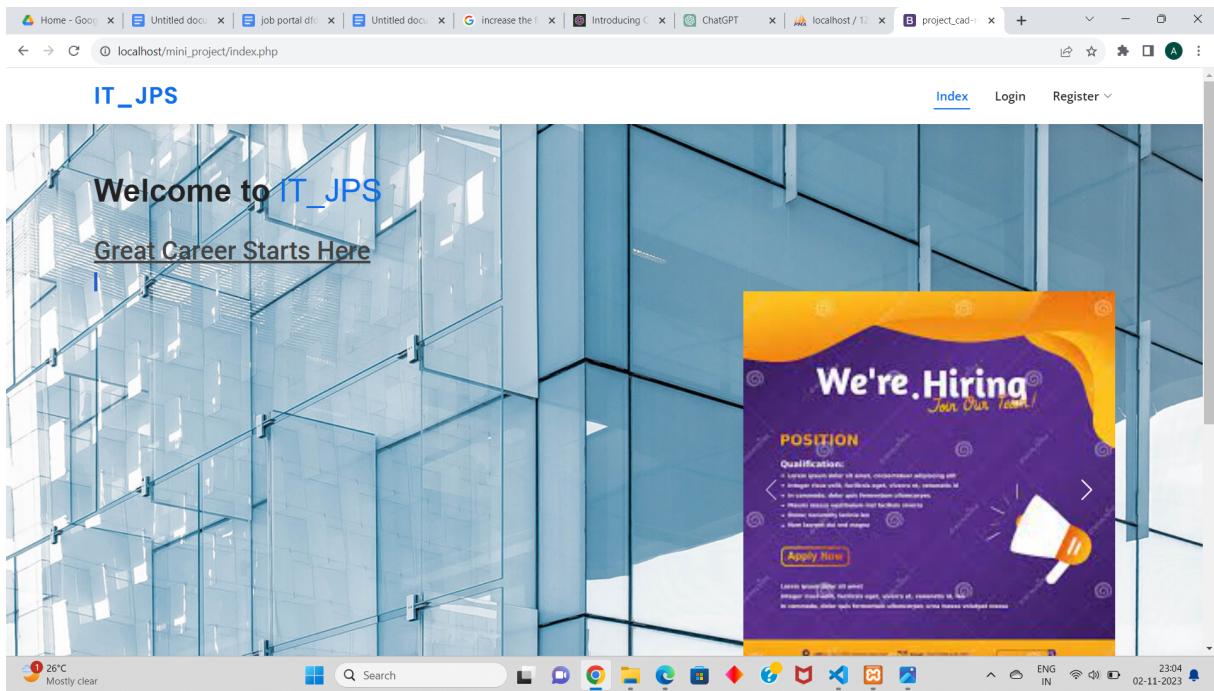
## Code for Candidate Home



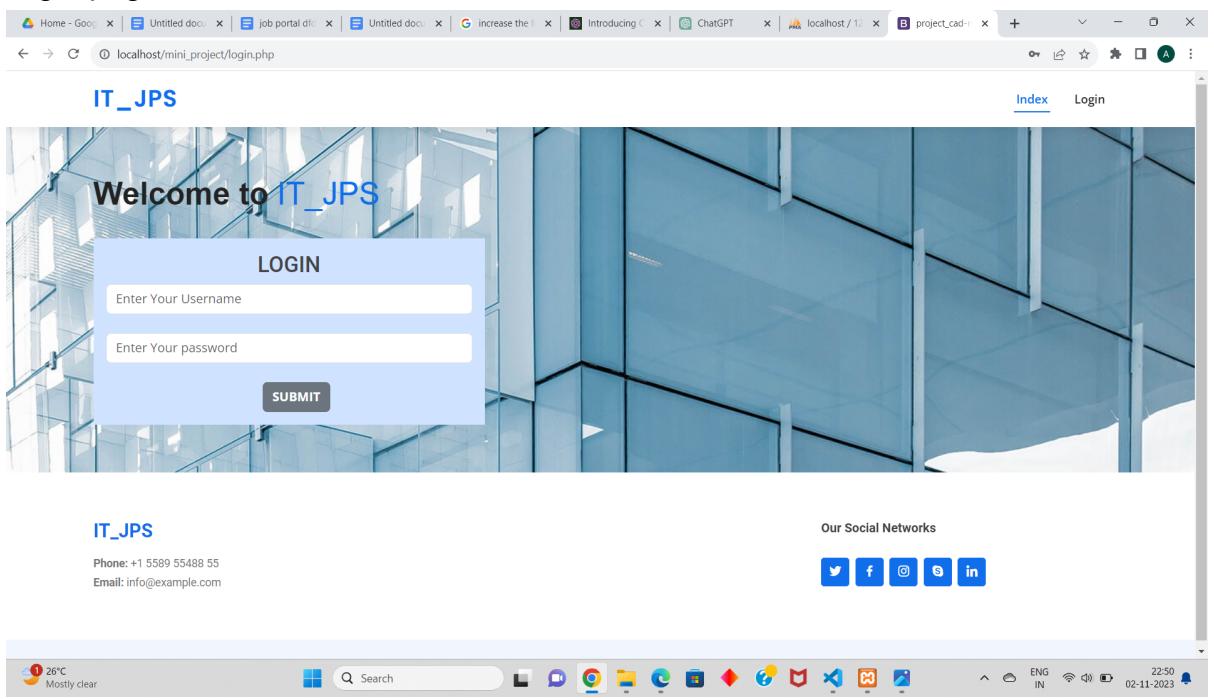
```
candidate_home.php
1 <?php
2 session_start();
3 if(!isset($_SESSION['id']))
4 {
5 header('location:login.php');
6 }
7 else{
8
9 }
10 <!DOCTYPE html>
11 <html lang="en">
12
13 <head>
14 <meta charset="utf-8">
15 <meta content="width=device-width, initial-scale=1.0" name="viewport">
16
17 <title>project_cad-reg</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" 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">
```

# ANNEXURE

## Splash page

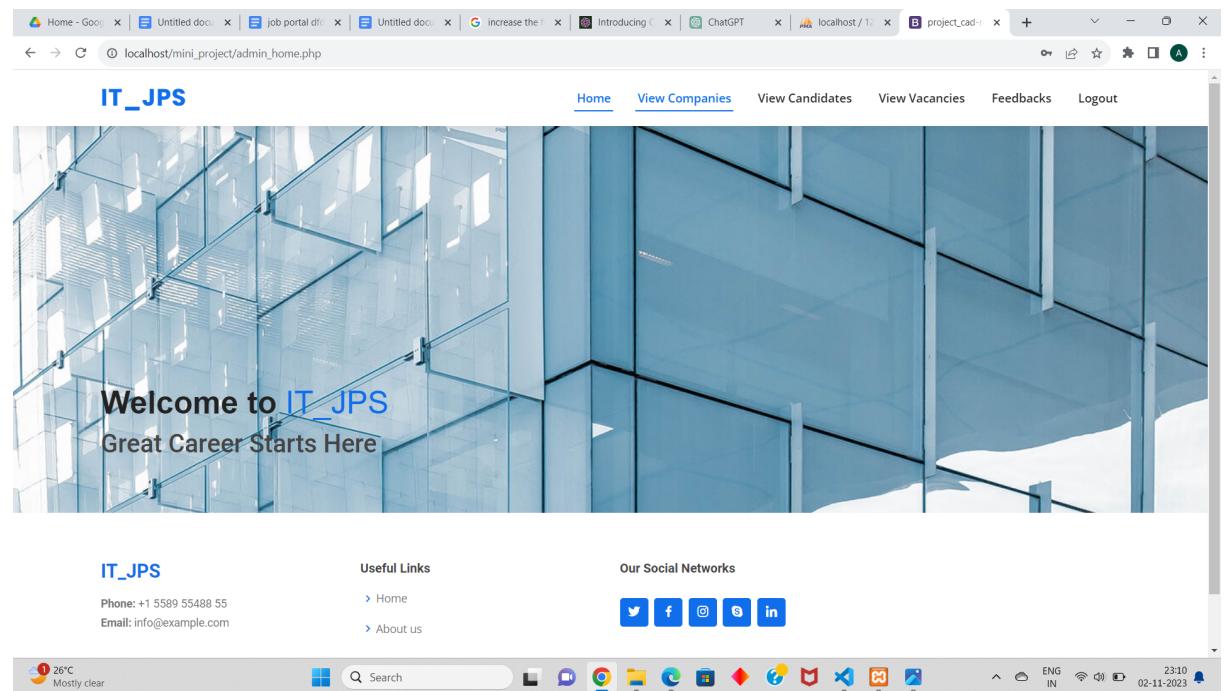


## Login page



## ➤ FOR ADMIN

### Admin Home



IT\_JPS

Welcome to IT\_JPS  
Great Career Starts Here

Home View Companies View Candidates View Vacancies Feedbacks Logout

Useful Links

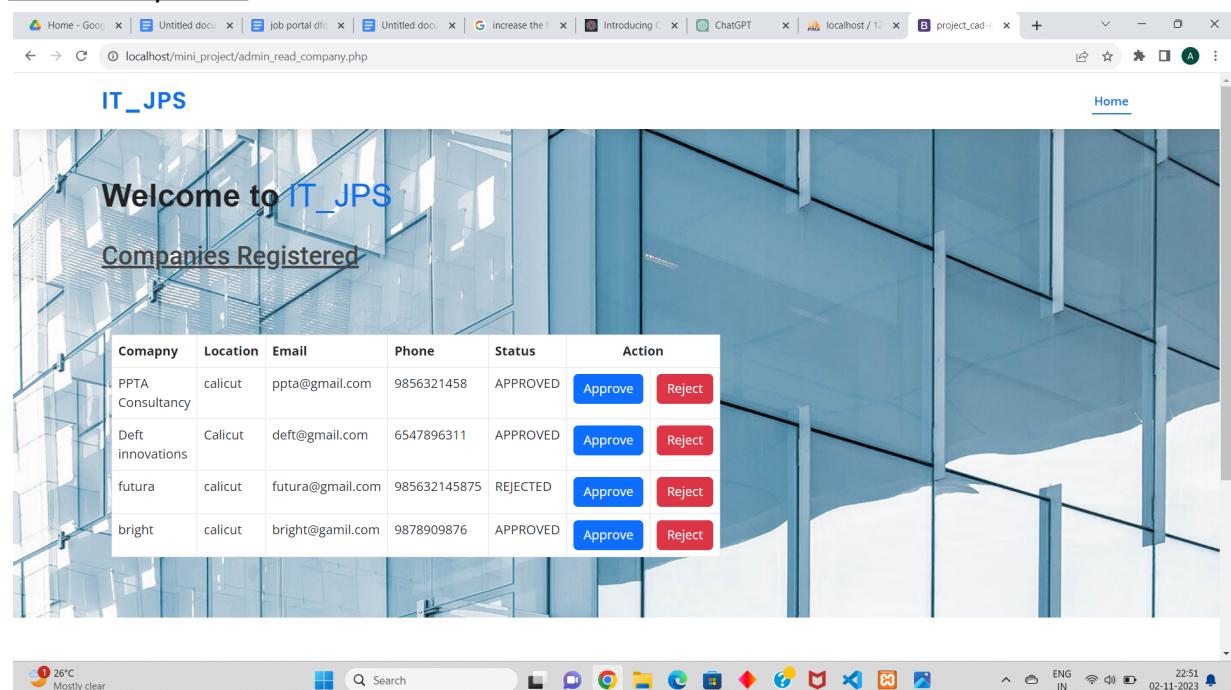
Phone: +1 5589 55488 55  
Email: info@example.com

Our Social Networks

Twitter Facebook LinkedIn

26°C Mostly clear Search ENG IN 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

Home

26°C Mostly clear Search ENG IN 22:51 02-11-2023

## ➤ FOR COMPANY

### Company Home

Welcome to IT\_JPS  
Great Career Starts Here  
Hi Employer This is for You!

IT\_JPS

Home Company\_Profile View Candidates Register\_Vacancies Applications Logout

Useful Links

Our Social Networks

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

26°C Mostly clear

Search

23:13 02-11-2023

### Register Vacancies

Welcome to IT\_JPS  
Register your Vacancies!

IT\_JPS

Home

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

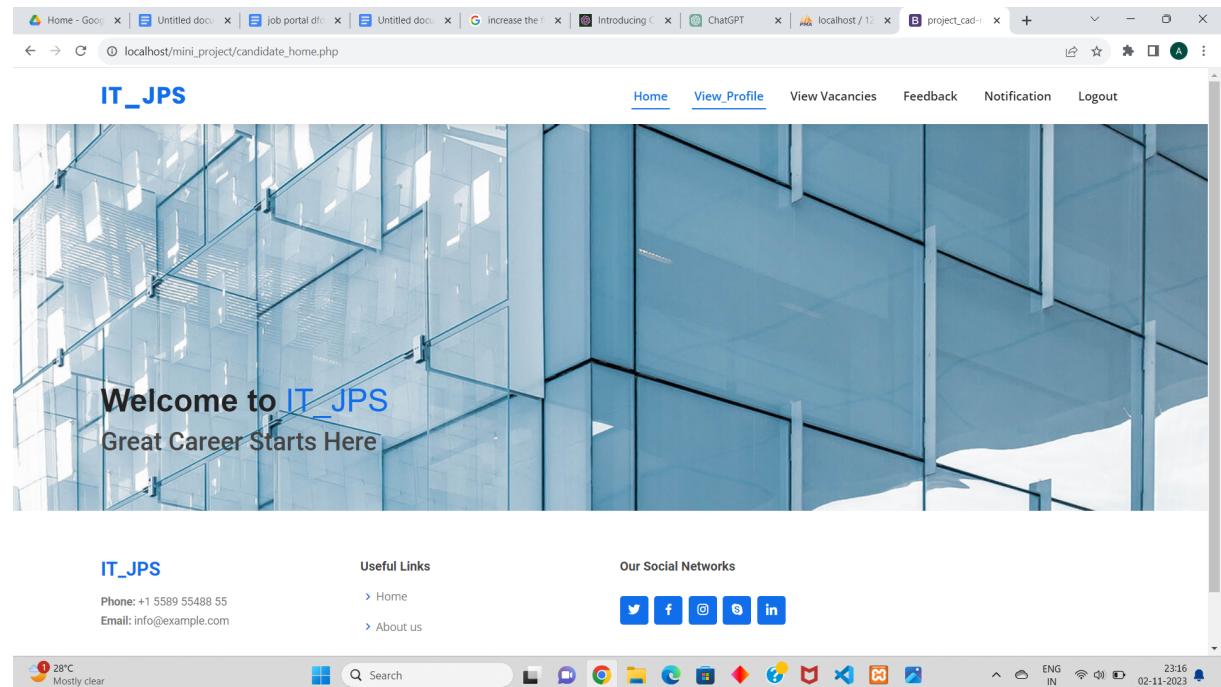
26°C Mostly clear

Search

23:14 02-11-2023

## > FOR CANDIDATE

### Candidate Home



**IT\_JPS**

Welcome to IT\_JPS  
Great Career Starts Here

Useful Links

- > Home
- > About us

Our Social Networks

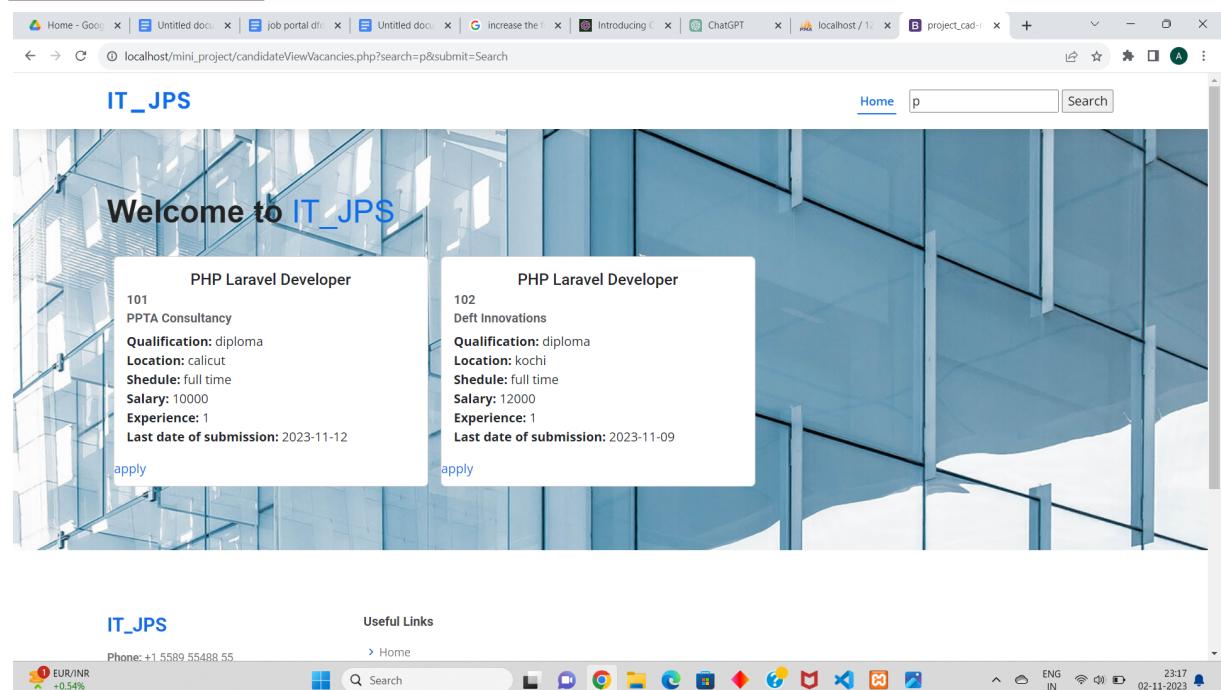
Twitter Facebook LinkedIn

28°C Mostly clear

Search

ENG IN 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](#)

Useful Links

Phone: +1 5589 55488 55

EUR/INR +0.54%

Search

ENG IN 02-11-2023

## CONCLUSION

The Online Job Portal System is a dynamic and user-friendly web-based platform that has been designed to revolutionize the job searching and recruitment processes. In a world increasingly driven by technology and connectivity, this system harnesses the immense potential of the internet to bridge the gap between job seekers and employers. By offering a comprehensive set of features and functionalities, it has significantly improved the job search and hiring experience for both job seekers and employers.