

Job Junction - Smart Job Portal (Setup Guide)

Job Junction is a full-stack job portal web app where users can register, apply for jobs, post jobs, and manage applications with a clean, modern UI inspired by the Apna App.

TECH STACK

Frontend: HTML5, CSS3, JavaScript (Vanilla JS)

Backend: Node.js (Express Framework)

Database: MySQL

Email Service: Nodemailer (Gmail)

File Uploads: Multer

INSTALLATION GUIDE

Step 1: Prerequisites

Ensure you have Node.js, MySQL, and Git installed.

Step 2: Clone Project

```
git clone https://github.com/yourusername/job-junction.git  
cd job-junction
```

Step 3: Install Dependencies

```
npm install express mysql2 cors multer nodemailer
```

Step 4: Setup MySQL Database

```
sudo systemctl start mysql  
sudo mysql -u root -p
```

Then inside MySQL:

```
CREATE DATABASE job_junction;  
USE job_junction;  
  
CREATE TABLE users (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(100),  
    email VARCHAR(100) UNIQUE,  
    password VARCHAR(255),  
    profile_image VARCHAR(255)  
);
```

```
CREATE TABLE jobs (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    title VARCHAR(100),  
    company VARCHAR(100),  
    website VARCHAR(255),  
    location VARCHAR(100),  
    description TEXT,  
    posted_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

```
CREATE TABLE applications (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    user_id INT,  
    job_id INT,  
    phone VARCHAR(20),  
    email VARCHAR(100),  
    applied_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    FOREIGN KEY (user_id) REFERENCES users(id),  
    FOREIGN KEY (job_id) REFERENCES jobs(id)  
);
```

Step 5: Configure Nodemailer

Edit 'server.js' and update Gmail credentials with your App Password.

Step 6: Create uploads folder

```
mkdir -p public/uploads
```

Step 7: Run the server

```
node server.js
```

Access the site:

<http://localhost:5000>

DEFAULT PAGES

| | |
|--------------------|--------------------|
| /index.html | - Home |
| /login.html | - User login |
| /register.html | - Register |
| /jobs.html | - Browse and Apply |
| /add-job.html | - Post job |
| /view-profile.html | - View profile |

TROUBLESHOOTING

Access denied for user 'root'@'localhost':

Run:

```
sudo mysql
```

```
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY '2002';
FLUSH PRIVILEGES;
```

AUTHOR

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Project: Job Junction - Smart Job Portal

Tech: Node.js, MySQL, HTML, CSS, JS