

# Installation Manual for Jobify - AI-Powered Job Matching Platform

## 1. Introduction

Welcome to the **Jobify Installation Manual**. This document provides step-by-step instructions to install, configure, and run the Jobify platform. Jobify is an AI-powered job matching platform that integrates web scraping, machine learning, and responsive design to simplify the job search process.

This manual assumes no prior technical knowledge. If you encounter any issues, refer to the troubleshooting section or contact support.

## 2. System Requirements

Before setting up the application, ensure the following are installed on your system:

1. **Operating System:** Windows, macOS, or Linux
2. **Node.js** (v16 or higher): [Download](#)
3. **MongoDB** (local or Atlas): [Download](#)
4. **Python** (v3.6 or higher): [Download](#)
5. **Git:** [Download](#)
6. **Browser:** Chrome, Firefox, or Edge (latest version)

## 3. Installation Steps

### 3.1. Backend Setup

1. Navigate to the backend folder:

```
cd job-matching-backend
```

2. Install dependencies:

```
npm install
```

3. Start the backend server:

```
npm start or nodemon server.js
```

### 3.2. Frontend Setup

1. Navigate to the frontend folder:

```
cd ../job-matching-frontend
```

2. Install dependencies:

```
npm install
```

3. Start the frontend server:

```
npm start
```

### 3.3. Inserting Job Data into MongoDB

To populate the `job_listing` collection in the `job_matching` database with job data, follow these steps:

1. **Prepare your CSV files:**

- Place all the scraped CSV files (e.g., `usa_jobs.csv`, `global_jobs.csv`) in directory.

2. **Edit the `dump.py` script:**

- Open the `dump.py` script in a text editor and replace the placeholder file name with your actual CSV file:

```
csv_file = "usa_jobs.csv" # Replace with your CSV file name
```

### 3. Run the dump.py script:

- Execute the script in the terminal to transfer data from the CSV file to MongoDB:

```
python dump.py
```

### 4. Repeat for additional files:

- If you have multiple CSV files, repeat the process for each file by updating the file name in dump.py.

### 5. Verify the database:

- Open MongoDB Compass or use the CLI to confirm that the job\_listing collection in the job\_matching database is populated.

## 4. Usage Instructions

1. Open your browser and navigate to <http://localhost:3000> to access the Jobify platform.
2. Register or log in using the available forms.
3. Explore the platform.

## 5. Troubleshooting

### 5.1. Backend Server Fails to Start

**Error:** MongoDB connection error

**Solution:** Ensure MongoDB is running locally or check the MONGO\_URI in the .env file.

## 5.2. Frontend Not Loading

**Error:** Failed to fetch data from the backend

**Solution:** Verify that the backend server is running on `http://localhost:5000` and that API endpoints in the frontend code are correct.

## 5.3. Script Errors in `dump.py`

**Error:** Python script fails to insert data

**Solution:**

Ensure the correct CSV file name is specified in the script.  
Install the required Python library:

```
pip install pymongo pandas
```

## 6. Contact Information

If you encounter any issues or have questions, please contact us:

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