**Steps to download and run the intelligent resume parsing system**

**REQUIREMENTS- PYTHON 3.12 VERSION ONLY**

**INSTALLATION**

* 1. **Clone the repository**
  2. **Install the dependencies**

**pip install -r requirements.txt**

**RUNNING THE MODEL**

1. Ensure Postgre Sql is installed and running
2. Create a new database:

CREATE DATABASE resume\_db;

The database URL in the main system is

DATABASE\_URL = "postgresql://postgres:1234@localhost:5432/resume\_db"

Password of postgresql- 1234

PORT- 5432

1. After the database has been initialised
2. Then run:

python db.py

This will initialize the resumes table.

1. Now install the following commands on powershell

* pip install PyPDF2
* pip install flask
* pip install spacy
* pip install rapidfuzz
* pip install sentence-transformers
* pip install importlib-metadata # Only if using Python < 3.8
* pip install SQLAlchemy
* pip install psycopg2-binary
* python -m spacy download en\_core\_web\_trf

1. After installing these modules run

python app.py

Follow the prompts to:

* Enter job description
* Define job role
* Provide required and optional skills
* Set experience range

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**THIS MODEL CAN RUN WITHOUT OPENAI API AS WELL, IF BETTER ACCURACY IS NEEDED OPENAI API CAN BE IMPLEMENTED**

**🔑 OpenAI API Key**

If you're using OpenAI features (for semantic role fit scoring), set your API key:

**On Mac/Linux**

export OPENAI\_API\_KEY="sk-..."

**On Windows**

set OPENAI\_API\_KEY="sk-..."