

JobGuard – Installation Guide

Prerequisites

Before you begin, make sure the following are installed on your system:

- **Python 3.9 or above**
 - **pip** (Python package installer)
 - Internet access (Gemini API requires online connection)
 - A **Google Generative AI API key** from <https://makersuite.google.com/app/apikey>
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Folder Structure (Inside the `Code/` directory)

```
JobGuard/  
├── Code/  
│   ├── detect_copy.py  
│   ├── utils.py  
│   ├── outputs/  
│   └── README.txt
```

Step-by-Step Installation Instructions

1. Download the project

Download the `.zip`, extract it, and navigate to the `Code/` folder.

2. Install Python dependencies

Use pip to install all required libraries:

```
pip install streamlit google-generativeai pandas plotly fpdf
```

 Tip: It's recommended to do this inside a virtual environment.

3. Set the Google API Key

You'll need a valid API key from Google to use Gemini Pro. Set it in your terminal:

For Mac/Linux:

```
export GOOGLE_API_KEY="your_api_key_here"
```

For Windows:

```
set GOOGLE_API_KEY="your_api_key_here"
```

Alternatively, you can paste the API key directly in `detect_copy.py` in this line (not recommended for production):

```
os.environ["GOOGLE_API_KEY"] = "your_api_key_here"
```

4. Create the `outputs/` directory (if it doesn't exist)

```
mkdir outputs
```

This folder stores all downloadable files like the TXT, PDF, and CSV reports.

5. Launch the Streamlit app

Navigate to the `Code/` directory and run:

```
python3 -m streamlit run detect_copy.py
```

This will open the app in your default web browser.

💡 If `streamlit` is not recognized, make sure your Python is correctly installed or try using `python -m streamlit run detect_copy.py`.

Troubleshooting Tips

- If you receive a "**streamlit not found**" error, make sure the module is installed:
`pip install streamlit`
- If **PDFs fail to generate**, check that no special characters are breaking the export function. This is handled in `utils.py`, but be cautious with copy-pasted content.
- Make sure the **outputs/** folder exists. If not, files will not be saved or offered for download.
- If the confidence meter shows incorrect values, verify that the AI returned a response with proper formatting (Confidence: X%, etc.).