

3. `clean_filename(filename)`:

- Strips the filename of unwanted elements such as special characters and text inside square brackets (e.g., JohnDoe [cv]). It ensures that the filename is clean and only contains alphanumeric characters and spaces.

4. `count_skill_occurrences(resume_text, skills)`:

- This function counts the occurrences of each skill from the list of skills in the resume's text. It compares the skills in the resume text and returns both the unique skills and their respective counts.

5. `log_message(message, log_file="logs.txt", results_file="results.txt")`:

- The function logs messages about the processing, errors, or duplicates to both logs.txt and results.txt. Each log entry is timestamped for better tracking.
- logs.txt captures the details of each operation, while results.txt contains the summary of results.

6. `process_resume(resume_file_path, processed_folder, skipped_folder, duplicates_folder)`

This is the core function responsible for processing each resume file individually. It takes the path of the resume file and the paths of folders for processed, skipped, and duplicate resumes.

6.1 Check File Type:

- **Purpose:** The first task is to verify that the file is either a PDF or DOCX file, which are the supported formats.
- **Logic:**
 - The file extension is extracted using `os.path.splitext(resume_file_path)[1].lower()` and compared against the allowed file extensions (.pdf, .docx).