

JobGuard – User Manual

1. Introduction

JobGuard is a web application that helps users detect potentially fraudulent job listings using AI (Gemini Pro). It provides an AI verdict, confidence score, margin of error, and also includes a scam awareness questionnaire. Users can also export results in PDF, CSV, or TXT format.

2. System Requirements

- Python 3.9 or higher
 - Internet connection (for accessing Gemini API)
 - Google API key (must be set in environment variables)
 - Supported on modern web browsers (Chrome, Firefox, Safari)
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3. Launching the Application

Step-by-step:

1. Open your terminal.
2. Navigate to the project directory.
3. Run the following:

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

4. A local browser tab will open automatically displaying the JobGuard interface.
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4. Using the Application



Tab 1: Home

- Displays a brief introduction and purpose of the app.



Tab 2: AI Tool

1. Enter job listing details (title, company, location, salary, and where it was found).
2. Paste the job description into the textbox.
3. Click "**Analyze Listing**".
4. The app will display:

- AI Verdict (Legitimate / Fraudulent / Uncertain)
 - Confidence Score (visualized as a gauge)
 - Margin of error
 - AI explanation
 - Flagged scammy phrases (if detected)
5. Optional: Download results in one of the formats shown:
- TXT
 - PDF (using FPDF)
 - CSV (with metadata)

Tab 3: Questionnaire

- Answer 12 yes/no questions based on common scam indicators.
- “Yes” answers trigger warning signs.

Tab 4: About Us

- Learn about the project team, motivation, and technologies used.

5. Notes

- **PDF generation** may fail if special characters (like curly quotes) are present. The app automatically replaces some of these characters.
- **Confidence meter** relies on properly formatted AI output. Unexpected formats may cause it to display “0”.
- The app saves outputs inside the `outputs/` directory, which must exist before generating files.