

JobGuard Shortcomings & Wishlist Document

Current Limitations

1. **AI Response Formatting Dependence**

The application currently depends on Gemini returning responses in a consistent format for parsing metrics like confidence and verdict. While effective in most cases, slight changes in phrasing may impact visualization features such as the confidence meter.

2. **Limited Regional Context Handling**

The AI sometimes flags listings based on terminology that may be unfamiliar in the U.S. but common in other regions like India or the UK. This can occasionally lead to overly cautious results.

3. **Manual API Key Setup**

The current version requires users to input their Google API key manually, which might add a small hurdle for non-technical users during setup.

4. **Different from Original Proposal**

As problems were surfacing during the development of a Chrome extension, the project pivoted into a now website

Future Improvements

1. **Custom Machine Learning Model**

Incorporate a dedicated ML model trained on curated datasets of real vs. fraudulent job listings to enhance detection accuracy and adaptability.

2. **Improved Cultural Awareness**

Train the system to better understand regional job market differences and avoid flagging legitimate global job listings based on unfamiliar language or structure.

3. **Job Post Freshness Indicator**

Factor in the age of the job posting to determine if unusually long durations may signal red flags.

4. **Chrome Extension Integration**

Develop a browser extension to allow users to evaluate job listings directly from sites like LinkedIn or Indeed without copying and pasting descriptions.

5. **Broader Job Role Coverage**

Expand the tool's evaluation criteria to better handle freelance roles, executive positions, and other non-entry-level opportunities.

6. **Enhanced User Experience**

Consider adding a dashboard for tracking scanned listings, download history, and user notes, making the tool even more useful for frequent job seekers.