■ CV Enhancer + Generator CLI Assistant

This document explains the architecture, purpose, and usage of the **CV Enhancer + Generator CLI Assistant**. This intelligent command-line interface tool allows users to enhance their CVs, generate cover letters, summaries, or job proposals using natural language AI (Gemini API), all through a streamlined interactive process.

■ Key Features **CV Parsing:** Supports PDF or TXT formats. Extracts and processes text content. **Gemini Integration:** Sends content + user instructions to Gemini API to generate enhanced text. **Interactive Editing:** Users can manually edit, attach files, or regenerate results. **Flexible Output:** Save as TXT or generate professionally formatted PDF using consistent style. **Return & Retry:** Allows returning to the main menu for iterative enhancements.

■■ How It Works User provides a CV file (PDF or TXT). User selects the type of output they want (CV, cover letter, summary, etc.). They can add extra instructions via prompt or file. The AI generates a first draft which is shown in preview. User decides to accept or refine: Edit manually Attach improved file Regenerate Return to main menu Once approved, user chooses format (TXT or PDF). Output is saved and optionally, returns to menu.

■ Why This Module Matters This tool simplifies and accelerates the creation of professional application materials, especially for: Cybersecurity professionals looking to tailor CVs to specific SOC roles. Students applying to internships or graduate jobs. Anyone needing quick, AI-enhanced cover letters and summaries. It automates repetitive writing and formatting tasks and ensures consistency and professionalism.

■ Future Improvements Add support for changing the CV file without restarting. Cache previously used CVs and instructions. Improve PDF formatting with templates and visual hierarchy. Add speech-to-text input for extra instructions.

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