Title

TruthBot V7.1 Manual

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Core Functions Breakdown

- LIERWall(prompt_text, context): Filters input with Honesty Probability (HP) estimation.

- estimate_hp_score(text): Assigns HP score based on language cues.

- analyze_rss_feed(feed_url): Parses RSS feeds and evaluates news integrity.

- analyze_youtube_live_chat(chat_data): Scores live chat messages.

- load_plugins(): Auto-loads .py plugins from the llm_plugins/ directory.

- detect_hardware(): Determines CPU/GPU and recommends LLMs accordingly.

- truthbot_cli(): Command-line interface interaction function.

- launch_gui(): Launches Tkinter GUI for input and plugin display.

HP Score Explanation

HP Score (Honesty Probability Score) ranges from 0 to 100 and reflects content reliability.

90-100: Verified facts or official sources

60-89: Likely true, minimal uncertainty

30-59: Speculative or unclear

0-29: Likely false or disinformation

Used to guide which prompts are passed to LLMs or flagged.

Plugin Routing Guide

Plugins are automatically detected in 'llm_plugins/' via plugin_loader.py.

Each plugin must expose callable functions.

Examples:

- sentiment_plugin.analyze(text)

- media_hp_scan.analyze_rss_feed(url)

Outputs from plugins can be routed to GUI or CLI for scoring and review.

CLI Usage Instructions

Run TruthBot from CLI:

$ python truthbot_cli.py

Options:

- Enter prompt directly

- Choose plugin by name

- Type 'exit' to quit

Advanced:

$ python truthbot_cli.py --plugin sentiment_plugin

Glossary of Internal Systems

- HP Score: Honesty Probability Score

- LIERWall: Logical Inference and Ethical Reasoning Wall

- Plugin Manager: Auto-detects and loads analysis modules

- GGUF: LLM file format for local inference models

- GUI Shell: Tkinter-based front end for real-time feedback

- truthbot_core.py: Main orchestration logic and system interface

- hardware.py: Module for environment detection and LLM suggestions