

LIVEFETCH AI Agent

LIVEFETCH AI Agent is a lightweight Flask-based application that takes natural language instructions and fetches relevant product results.

■ Features

- Natural Language Query Parsing - Fuzzy Matching Engine - Clean Frontend - Preloaded Shopping Dataset - Amazon Integration - Local Deployment

■ Demo

1. Launch the server 2. Open in your browser at <http://127.0.0.1:5000> 3. Try queries like: - top 3 laptops under 40k - earbuds under 2k - best camera

■■ Installation & Setup

1. Clone this repository: `git clone https://github.com/your-username/livefetch-ai-agent.git` `cd livefetch-ai-agent` 2. Create a virtual environment: `python -m venv venv` `source venv/bin/activate` (Linux/Mac) `venv\Scripts\activate` (Windows) 3. Install dependencies: `pip install flask` 4. Run the server: `python app.py` 5. Open in browser: <http://127.0.0.1:5000>

■■■ Project Structure

livefetch-ai-agent/ ■■■ app.py # Main Flask app with routes & logic ■■■ README.md # Project documentation

■ How It Works

1. User Query → UI input 2. Query Parsing → Extracts 'top N' & category 3. Fuzzy Matching → Scores similarity with dataset 4. Result Rendering → Product cards + Amazon links

■ Future Scope

- Integrate with LLM for advanced query understanding - Add browser automation for real-time web data - Expand dataset with live scraping - Support voice commands & multi-step tasks

■ Contributing

Pull requests and feature suggestions are welcome.

■ License

This project is licensed under the MIT License – free to use and modify.