**Amazon & Flipkart Price Tracker with Gemini AI Insights**

This is a Python-based desktop application built using Tkinter that scrapes product data from Amazon and Flipkart, calculates scores based on price, rating, and reviews, visualizes price history, performs Gemini AI-based product comparison, and sends detailed reports via email.

Features

- Scrapes product data from Amazon and Flipkart using Selenium

- Calculates a normalized score for each product

- Filters products with score > 6

- Plots price history using Matplotlib

- Performs semantic analysis to ensure product relevance

- Uses Gemini AI to provide insights and comparisons

- Sends product reports with CSV, analysis, and graphs via email

Prerequisites

- Python 3.8 or higher

- Chrome browser

- ChromeDriver (matching your Chrome version)

Installation

1. \*\*Clone the repository or download the files\*\*.

2. \*\*Install required Python packages\*\*:

Create a virtual environment (optional but recommended):

```bash

python -m venv .venv

source .venv/bin/activate # On Windows: .venv\Scripts\activate

PATH FOR CHROMEDRIVER

service = Service(r"C:\\path\\to\\chromedriver.exe")

FOR GEMINI AI ANALYSIS

genai.configure(api\_key="YOUR\_API\_KEY")

EMAIL AUTOMATION

sender\_email = "your-email@gmail.com"

sender\_password = "your-app-password"

FOR EXECUTION SIMPLY EXECUTE :-

python FINALIRPRO.py

requirement.txt

beautifulsoup4==4.12.3

fake-useragent==1.5.1

google-generativeai==0.4.1

matplotlib==3.8.4

pandas==2.2.2

Pillow==10.3.0

selenium==4.21.0

sentence-transformers==2.2.2

torch>=1.10

tk