**Captcha-Protected Website Automation**

**Overview:**  
Developed a robust Python automation script to scrape product data from a **Cloudflare-protected** e-commerce website.

**Key Highlights:**

* **Bypassed Cloudflare & Captcha challenges** using browser automation and request-handling techniques.
* Navigated through all product listings and dynamically loaded content.
* Extracted structured product data and saved it into an Excel file.

**Extracted Fields:**

* main, aisle, category, sub\_category,
* title, product\_link, promotion,
* discount\_percent, original\_price, discounted\_price.

**Tools & Libraries Used:**

* Python
* Browser automation tools (e.g., Selenium or DrissionPage)
* BeautifulSoup / lxml for HTML parsing
* Pandas for Excel export

**Outcome:**  
Automated end-to-end data collection from a CAPTCHA and Cloudflare-secured website—ensuring high accuracy, stability, and usability for analytics or pricing intelligence.