



What is E-Shop with Virtual Try-on?

The E-Shop with Virtual Try-On combines the functionality of an e-commerce platform with a virtual try-on feature, specifically tailored for selling women's clothing and fast-fashion products.

What can E-Shop Solve?

The E-Shop can solve several challenges and bring numerous benefits to both businesses and customers:

- **Breaking Barriers:** E-Shop will eliminate the geographical barriers.
- **Cost Efficiency:** Running an E-Shop is generally more cost-effective than maintaining a brick-and-mortar store.
- **Enhanced Customer Experience:** E-Shop offers a personalized and convenient shopping experience.
- **Data-Driven Insights:** E-Shop collects valuable data on customer behavior, preferences, and purchasing patterns.
- **Market Competition:** By leveraging virtual try-on, decrease the intangible shopping experience and gain a competitive edge in the market.

The E-Shop's Features

- Full framework E-Commerce:
- Virtual Try-on
- Customer Behavior Analysis
- Customer Purchasing Recommendation
- Web Scraping
- Competitive Analysis

Homepage and Flowchart

Virtual Try-on

Image Preprocessing

- Open Pose
- Human Parse
- Dense Pose
- Parse Agnostic
- Human Agnostic
- Clothing Warping
- Tryon Inference



Back-End Management

Id	Name	Price	Description	Available	Category	Item	Code	Picture
1	Solid Cold Shoulder Split Sleeve Popover	6.99	Color: Dusty Pink Style: Casual Pattern Type: Plain Type: Top Neckline: Notched Sleeve Length: Short Sleeve Details: Split Sleeve Type: Cold Shoulder Length: Regular Fit Type: Loose	12	4		Tops: 20240301-0001	

Benefits of Web-Scraping

- Competitive Analysis
- Market Trend Insights
- Price Optimization

Tools Used



Conclusion

- E-Shop demonstrates the innovative integration of a Virtual Try-On feature, designed to enhance the online shopping for the users.
- The use of technologies like Flask and MySQL strengthens that platform's efficiency and competitiveness.
- E-shop represents a significant step forward in combining retail with digital innovation for a superior shopping experience.