Team 127
TensionFlow

Smart-Mart

Shopping just got personal.

abhay mathur
shreya shah
devansh rathor

Problem Statement

Smart-Mart

Aim:

building an advanced chat-based e-commerce platform, Saty aims to:

- Streamline ordering with intelligent interfaces.
- Tailor suggestions using machine learning.
- Forecast future needs for proactive inventory management.
- Boost operational efficiency and revolutionize customer experience.

resulting in increased customer satisfaction and enhanced operational efficiency.

Unique Selling Points

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01

Object Detection on user uploaded image to recognise an object and recommend similar products in the Smart-Mart application

02

Sustainability/Eco-Friendly tags on products based on keyword extraction from product details

03

Sentiment analysis on customer reviews to categorize them and gain insights on user preferences regarding every product

Notable Features

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Dynamic Stock Updates

Based on previous year's transactions, forecasting demand using LSTM, preventing over-stocking

Low-Stock Notification

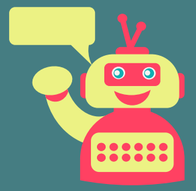
Based on the LSTM prediction, notification is sent when available stock is below a predefined threshold

Product Recommendations

Market Basket Analysis using Apriori algorithm on global order history to recommend products bought together

Add-ons recommendation

Simplify shopping experience by using Apriori algorithm on personal order history to suggest products to be added to cart



Multi-Functional ChatBot

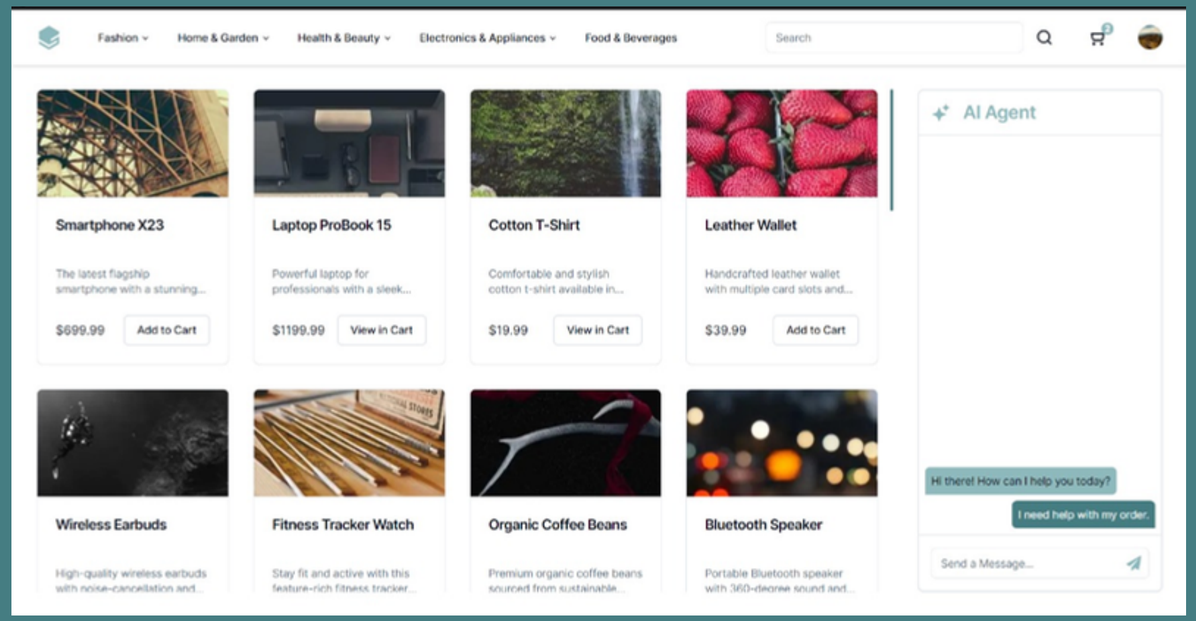
ChatBot using Gemini API to place order directly and to recommend products based on user gives requirements

Smart Search Function

Search provides smart relevant results ordered by similarity related to category and brand of searched product

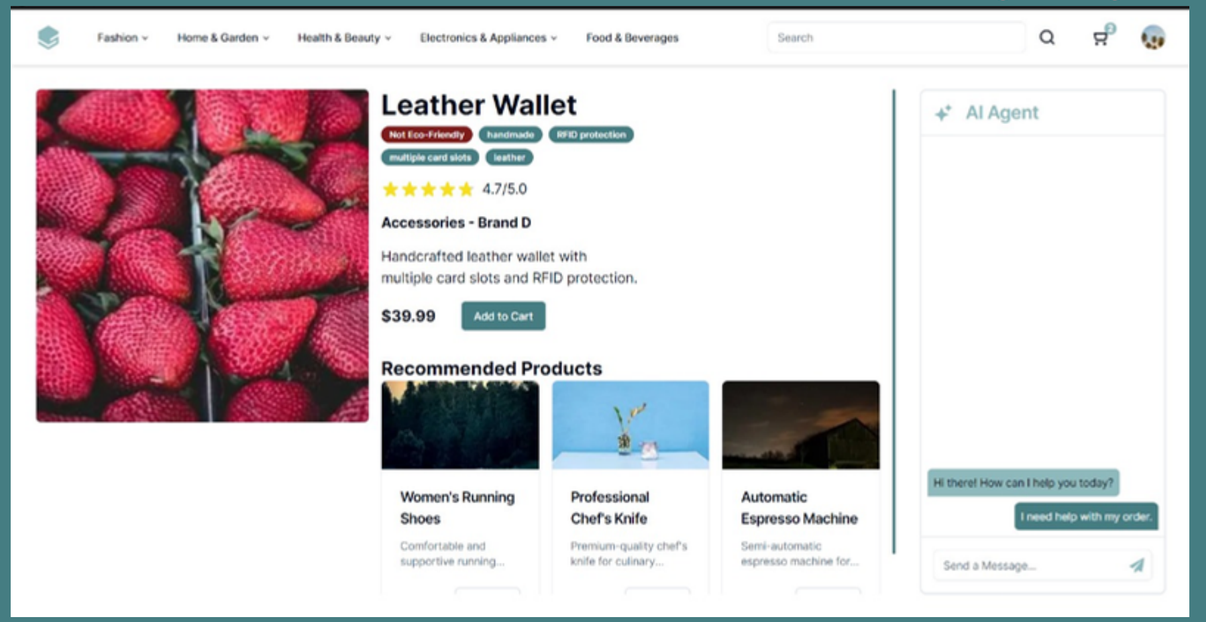
User Interface

User Pages



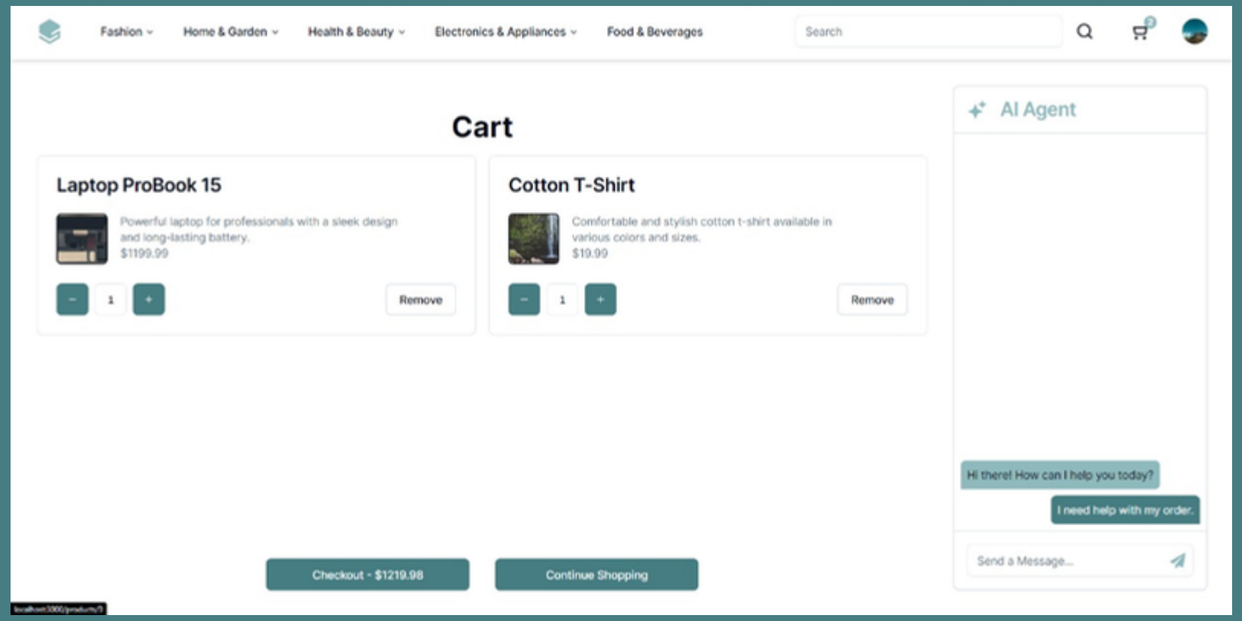
Home Page

Product Page



User Interface

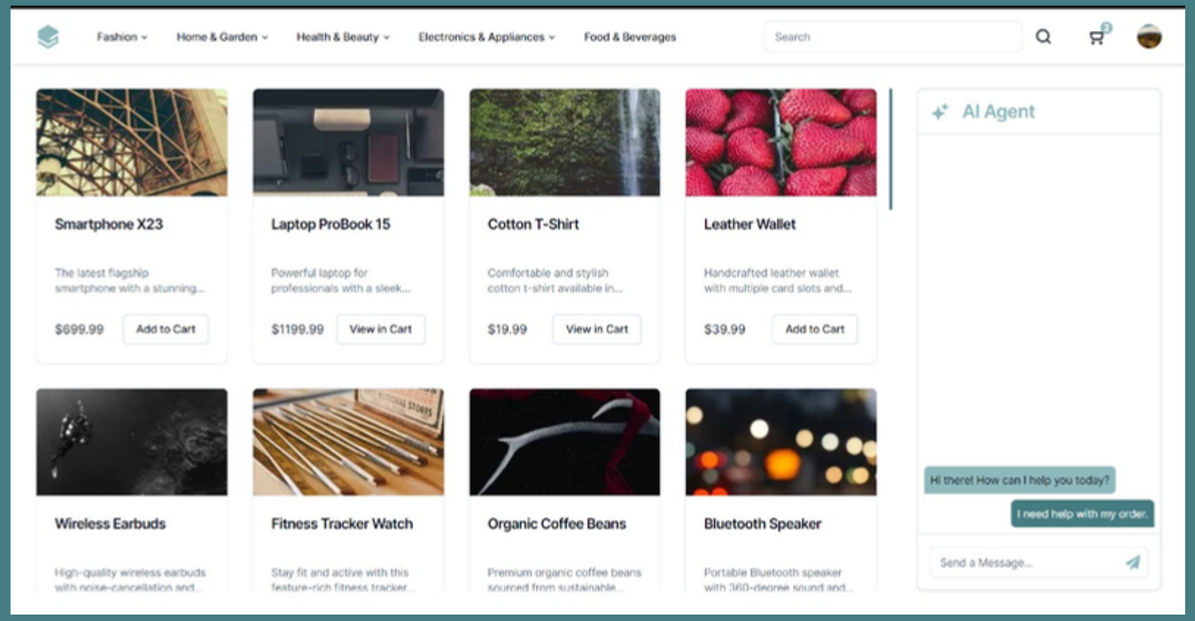
User Pages



Cart

User Interface

Admin Pages



Admin Page

Future Scope

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01

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02

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Thank You

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