

# AI E-commerce Consultant

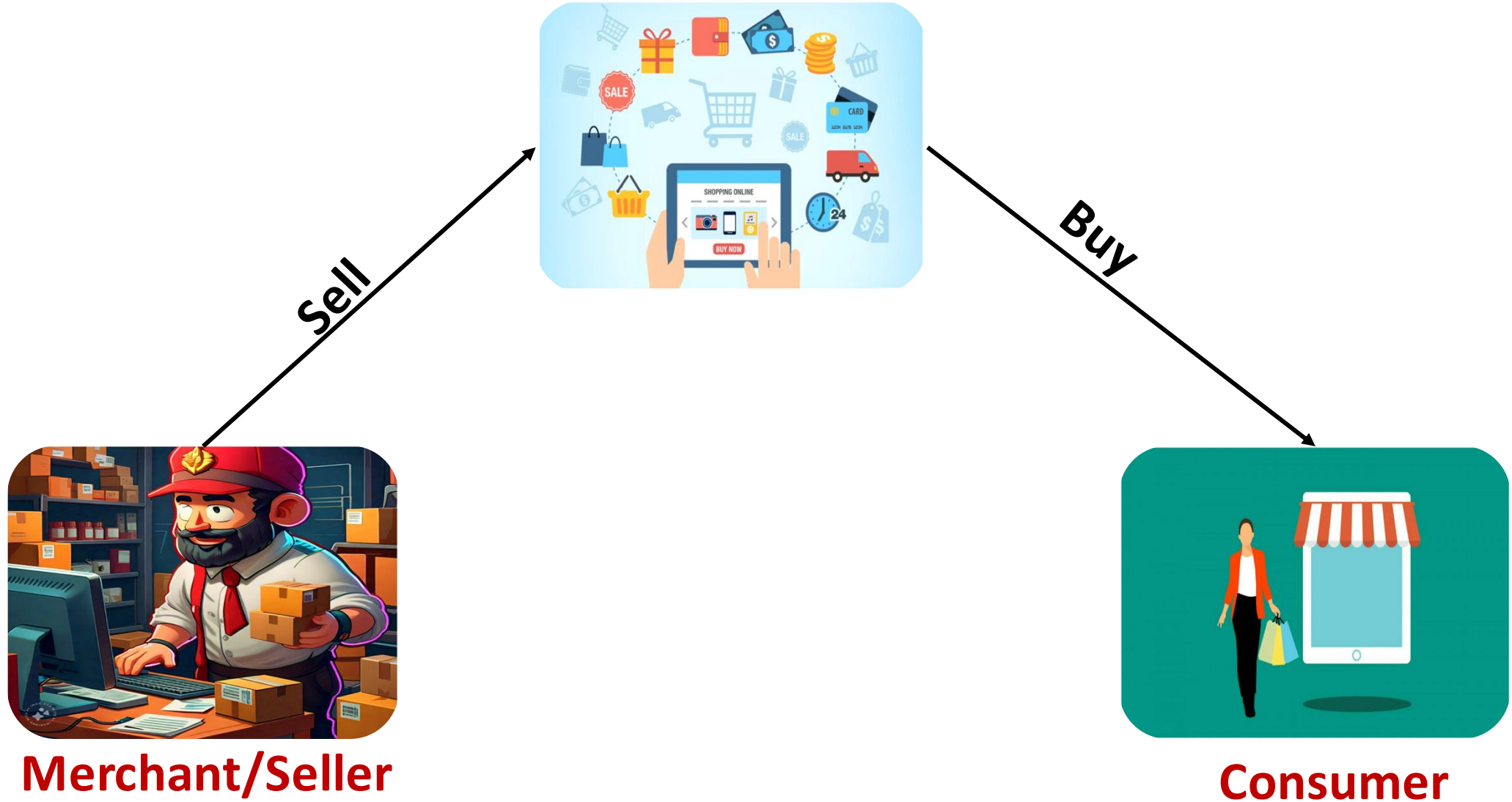
Rakathon 2024



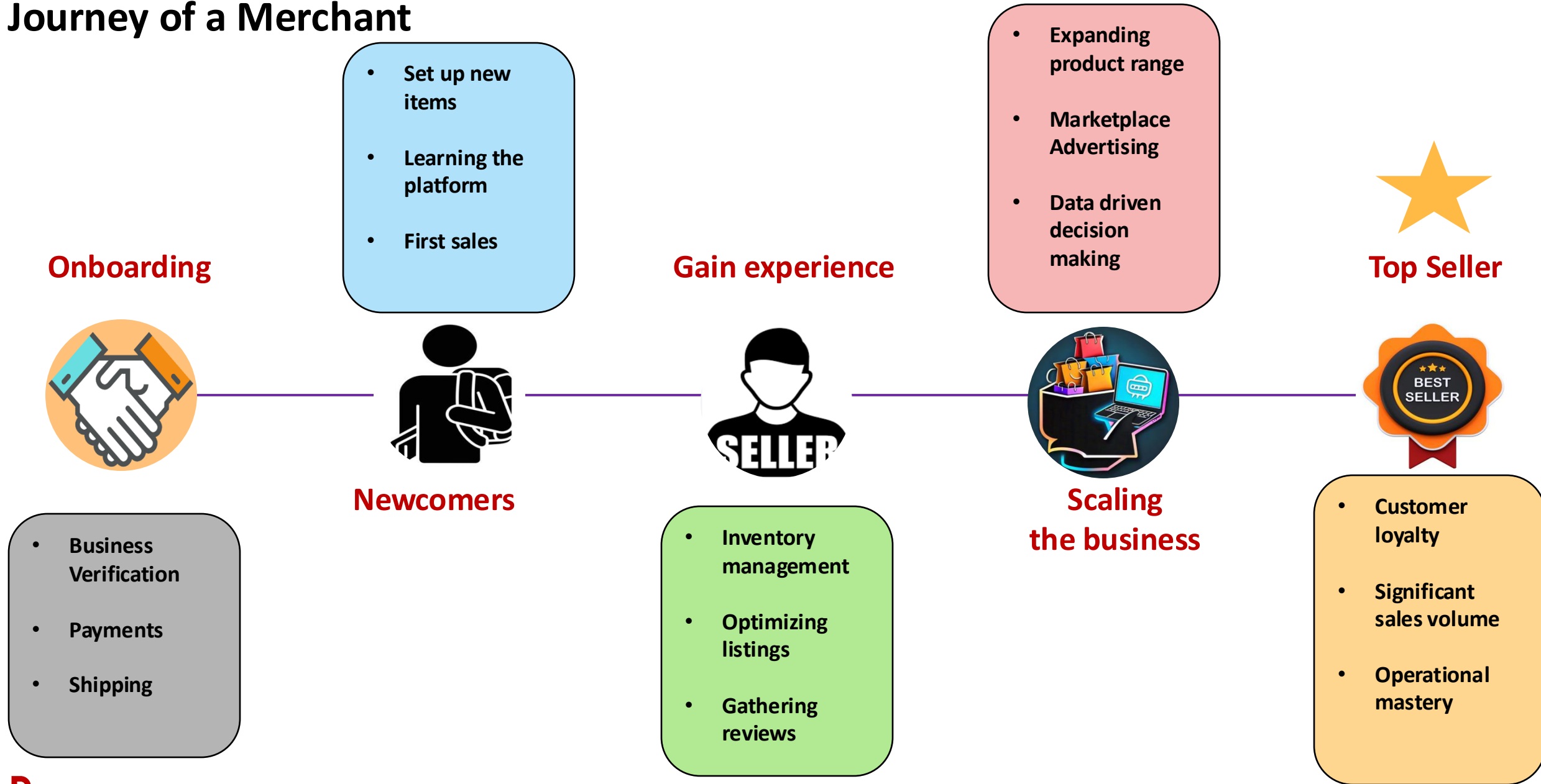
# Background

# Users of E-commerce Marketplace

## E-commerce Marketplace



# Journey of a Merchant



# Marketplace provides extensive support to Merchants to help them Grow



# Problem

# Potential or New E-commerce Merchant **need lot of handholding**

Embarking on an e-commerce venture is thrilling but fraught with challenges. New entrepreneurs often face significant barriers due to a knowledge gap and lack of guidance during the crucial initial stages. This absence of foundational support and strategic insight can hinder their ability to navigate the complexities of the e-commerce landscape, ultimately affecting their potential to build a sustainable and profitable business

How to start e-commerce business?



How should I increase my sales?

Which category I should start selling?

How can I increase the awareness of my products?

Which are the current product gaps which I can fulfill ?

# Existing Merchants get frustrated because of Information overload and lack of directions

## Information Overload

Marketplace tools provided by e-commerce companies often inundate sellers with an overwhelming amount of information, particularly challenging for new sellers to navigate and utilize effectively

## Resource and Expertise Limitations

E-commerce sellers, especially those new to the market, face significant challenges due to resource constraints and a lack of specialized expertise. Many sellers do not have access to AI experts or advanced analytical tools, making it difficult to leverage data for strategic decision-making

## Marketplace Seller Dashboard/Tool



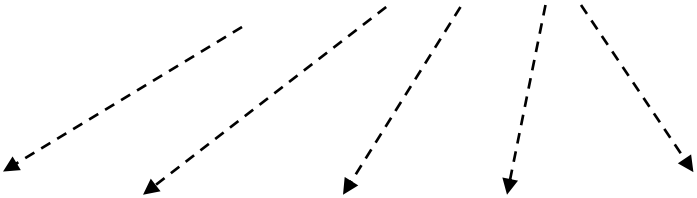
E-commerce Merchant



E-commerce Consultant(ECC)

## Insufficient Personalized Support

Traditional e-Commerce consultants, often mapped to multiple sellers, find it challenging to provide personalized and effective support to each merchant. This results in suboptimal growth strategies and missed opportunities.



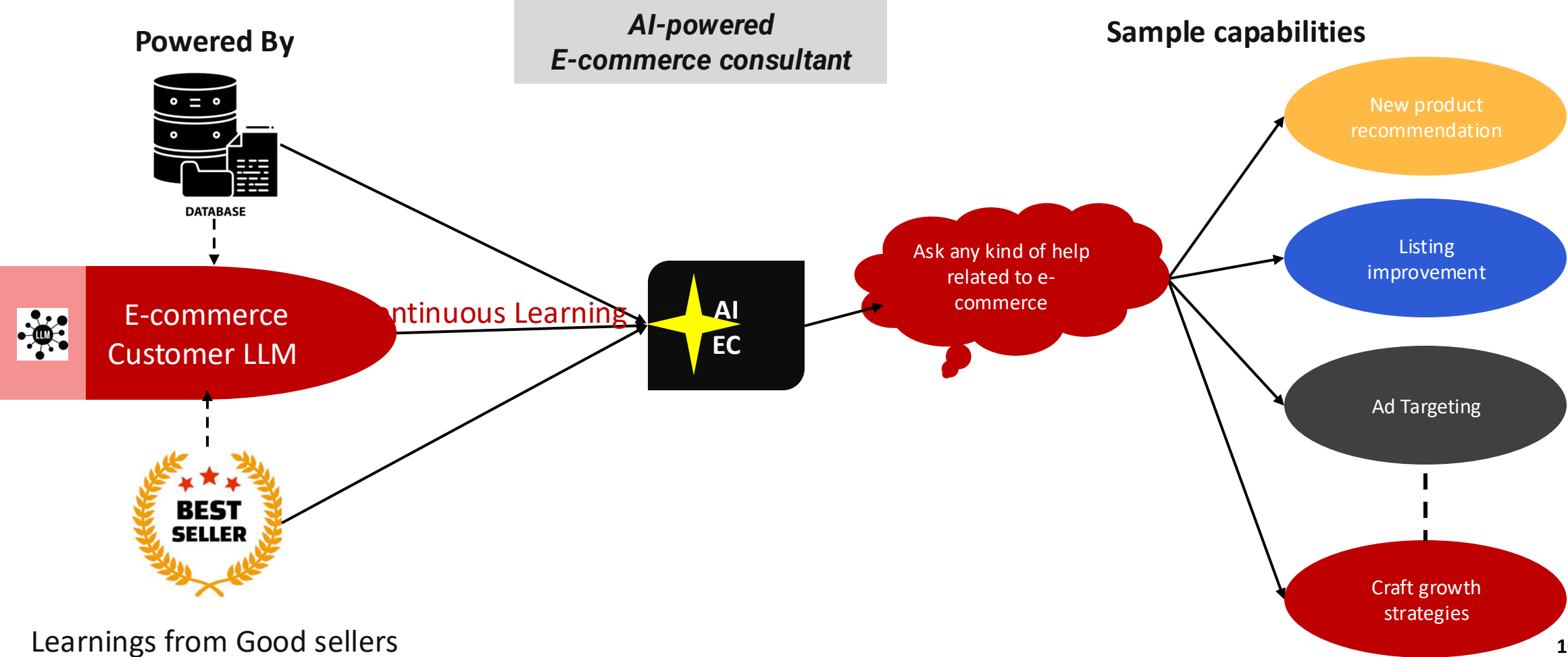
ECC mapped to multiple merchants



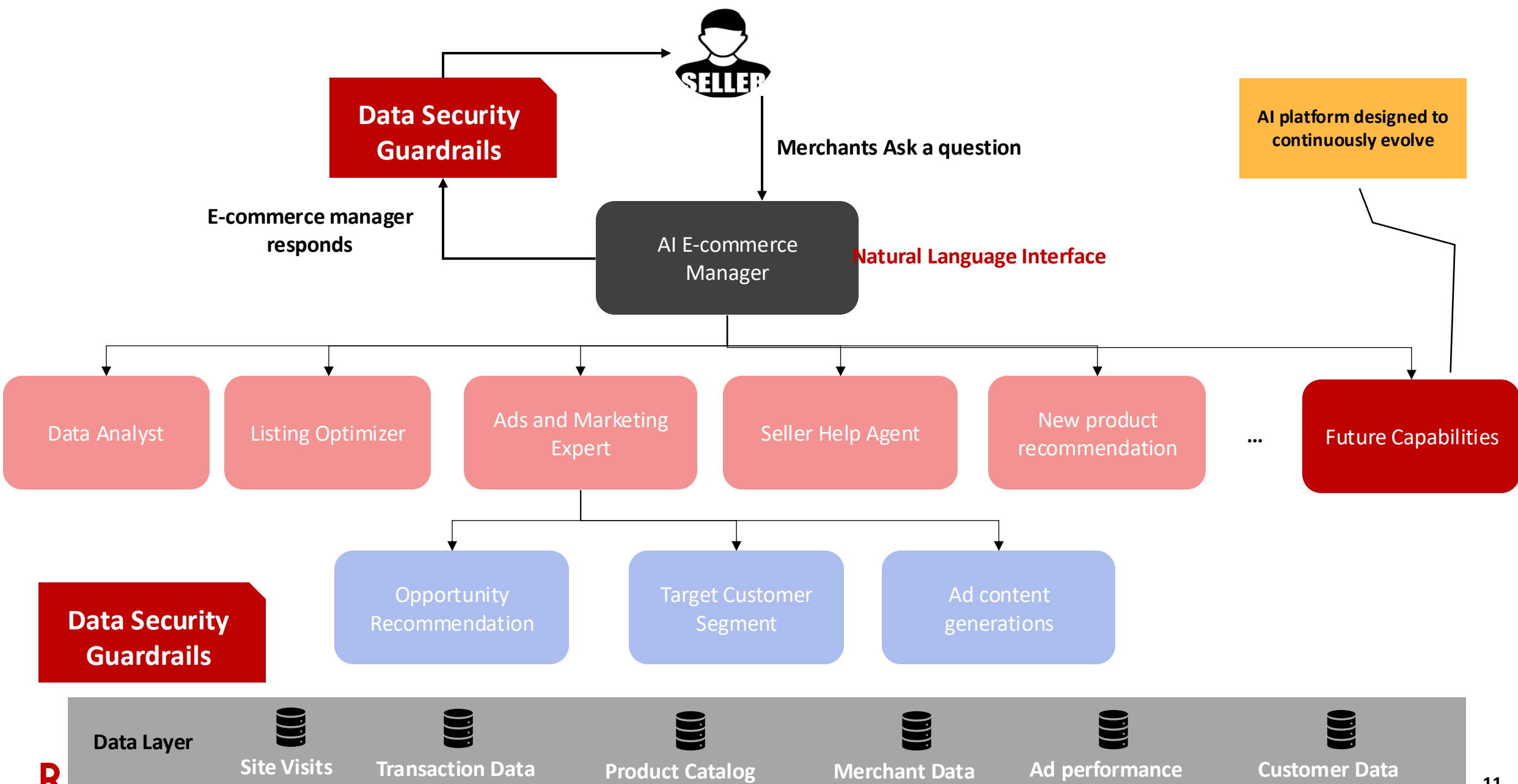
# Solution

# Solution: AI-Powered E-Commerce Growth Consultant

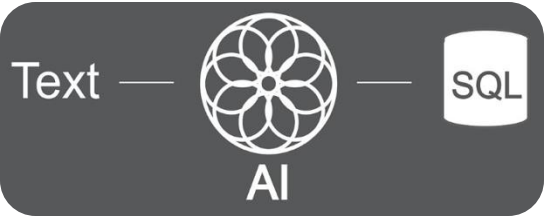
Develop an AI-powered e-commerce consultant that leverages extensive knowledge from site visits and transaction data to provide expert insights. This AI consultant will specialize in uncovering actionable insights, crafting tailored growth strategies, and possessing a deep understanding of each seller's business to drive sustainable success.



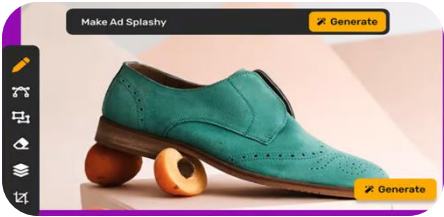
# Multi-agent Framework to power AI E-commerce Consultant



# How are we using **LLMs** and integrating them to build AI Ecommerce Consultant?



Data Analysis



Banner content generation

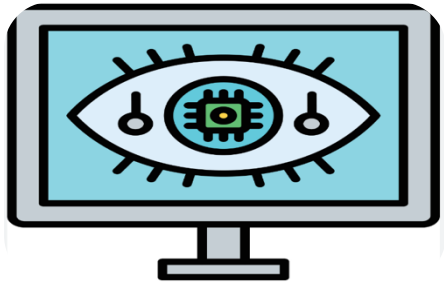
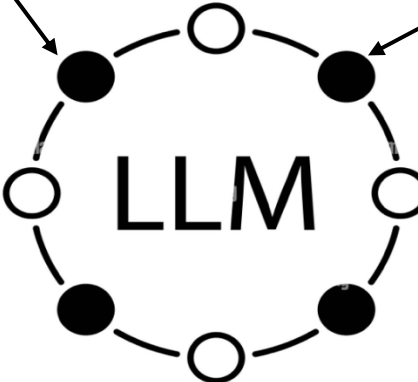


Image Analysis



RAG to browse guides and provide relevant answers



## Agent Frameworks



# Data Security Guardrails

## Non seller

- **Aggregated Trends:** Provide market trends and forecasts at the category level without disclosing specific seller performance. This helps non-sellers understand the potential without revealing sensitive data.
- **Benchmarking Insights:** Offer non-sellers benchmark data that shows average performance in a category, such as average sales growth or typical product margins, without revealing exact figures.
- **Geographic Aggregation:** Share insights at a regional or national level rather than specific city or store data, maintaining the anonymity of actual sales locations.

## Existing Seller

- **Custom Data Filters:** Apply custom filters to backend data, ensuring only relevant data for that specific seller is processed and analyzed by the AI. This prevents any cross-contamination of data between sellers.
- **Seller-Specific Performance Metrics:** Provide detailed insights into metrics like sales volume, conversion rates, and customer feedback specifically for the seller's own products, ensuring confidentiality.
- **Anonymized Competitor Benchmarks:** Share insights on how a seller's performance compares to the category average without revealing which competitors are leading or lagging in specific metrics.
- **Cross-Seller Aggregation:** Present insights based on an aggregated analysis of multiple sellers within a category, ensuring that no single seller's data is distinguishable or identifiable.

# Product Vision

Imagine if you had an AI-powered E-commerce consultant that **knew everything about your business** as well as well versed with **Marketplace internal data** to help you grow your business

AI-powered E-commerce consultant

Rakuten RMS

1 店舗設定  
R-Storefront

1-1 商品登録・更新

1-2 デザイン設定

1-3 画像・動画登録 R-Cabinet

1-4 基本情報設定

1-5 海外販売設定

2 受注・決済管理  
R-Backoffice

2-1 受注・受付管理

2-2 決済・口座管理

2-3 明細管理

2-4 メールテンプレート管理

2-5 オプション設定

3 売上データ分析  
R-Datatool

3-1 店舗カルテ

3-2 アクセス分析

3-3 売上分析

3-4 顧客データ

3-5 各種効果測定

4 メールマガ配信  
R-Mail

5 広告・アフィリエイト・楽天大学

5-1 広告

楽天からの重要なお知らせ

■【共同購入】サービス停止のお知らせ (2019-11-27 14:30)

■【商品ページ】表示価格(二重価格)の表示制限について (2019-11-25 15:17)

■【ショップ・オブ・ザ・イヤー2019】ユーザー投票についての最終ご案内 (2019-11-20 16:07)

二重価格表記に関するご案内

こちらのリンクから二重価格についてのご説明をさせていただきます。  
重要な内容になっておりますので必ずご視聴お願い申し上げます。

店舗オープンまでの流れ

はじめての方はこちら

STEP 0

まずはここから！

「オープン準備を始める前に」

「店サポ」(使い方)

事前準備

会社概要ページ

商品ページ

共通パーツ

TOPページ

モバイルページ

オープン審査準備

店舗運営準備

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Step 1-0 「店サポ」使い方

Step 1-1 計画を立てよう

Step 1-2 使い方

事前準備へ

無当ECコンサルタント

楽天 タロウ

店舗運営に関するお問い合わせ  
(土日祝日も除く)

TEL : 01-2345-6789

FAX : 01-2345-6789

Mail : abcdefg@hijk.lmn.co.jp

メールの記載内容にご注意ください！

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ご契約情報

000000

店舗URL: 00000

店舗ステータスの変更

契約プラン

スタンダードプラン

プラン変更の検討はこちら

WEB請求書

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WEB請求書

AI  
EC

Welcome! I'm EcomAI, your AI-powered eCommerce Consultant. I'm here to help you craft effective growth strategies and provide data-driven insights to answer all your questions. Let's work together to elevate your eCommerce success!

My sales is going down since Feb, can you help me understand the reason behind it?

AI  
EC

I see that the sales for your SKU camping products has gone down due to unusually harsh weather season, which discourages outdoor activities like camping

Sales (Units)

1,400

1,200

1,000

800

600

400

200

0

January

February

March

April

May

June

July

Recommendation – I suggest you can think about introducing new products that cater to current market needs, such as weather -resistant gear, indoor camping kits etc.

## Scale of Impact



Seller count **2.3 M**



**150 k**



**57 k**

**Generally, 1 consultant is assigned to ~15-20 sellers**

Source

<https://www.contimod.com/amazon-seller-statistics/>

<https://spctek.com/key-statistics-about-walmart-marketplace/>

<https://www.statista.com/statistics/233445/rakuten-ichiba-merchants/#:~:text=In%20the%20fourth%20quarter%20of,the%20Japanese%20internet%20company%20Rakuten.>

# **Benefits: AI-Powered E-Commerce Growth Consultant serves dual benefits**

## **Marketplace**

### **Enhanced Seller Performance:**

By providing sellers with advanced tools and insights, the marketplace can improve overall seller performance, leading to higher sales and customer satisfaction



### **Scalability & Cost Saving**

AI consultant can scale more efficiently than human consultants, allowing the marketplace to support a growing number of sellers without a proportional increase in support staff.



### **Data Utilization**

The AI consultant can leverage vast amounts of marketplace data to generate insights, helping the sellers craft growth strategies



## **E-commerce Seller**

### **Personalized & Always available consultant**

The AI consultant is available round the clock and provides tailored recommendations based on the seller's specific business needs and goals, leading to more effective growth strategies.



### **Reduced learning curve**

New sellers benefit from the AI consultant's guidance, reducing the learning curve and helping them navigate the complexities of e-commerce more effectively.



### **Time and Resource Efficiency**

Automating data analysis and strategy formulation saves sellers time and resources, allowing them to focus on other critical aspects of their business.





# Current team to help E-commerce Merchants Grow



# Future team to help E-commerce Merchants Grow

## Merchant Dashboard



## E-commerce Merchant



E-commerce Consultant(ECC)



# Team



**Himanshu Chugh**



**Meetkumar Soni**



**Mausam Jain**



**Pratik Marudwar**

**Rakuten**