

ShopSmart.AI

Intelligent Shopping Assistant

Revolutionizing E-commerce with GenAI Agent

Proposed By : The Team TechPulse

To: /execute: AI Genesis - LabLabAi

The Problem: Overwhelming Online Shopping

1

Switch between multiple websites like Amazon, Daraz, and AliExpress & many others.

2

Compare features and prices manually

3

Read hundreds of scattered reviews,

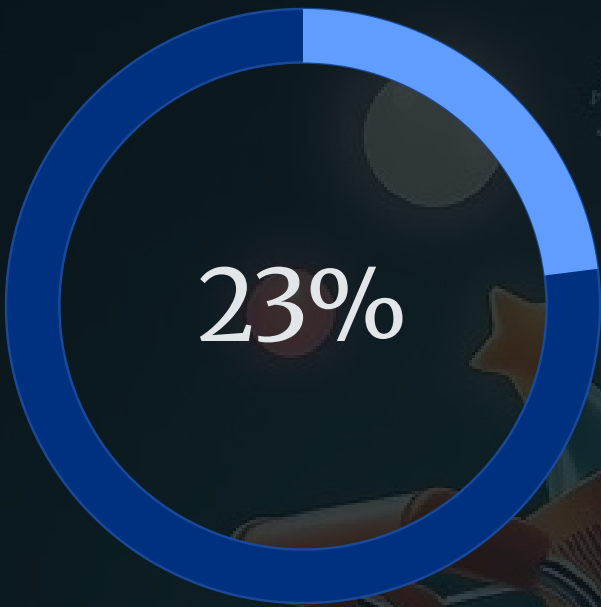
4

Consumers waste time and still make poor choices



Real-World Stats of the Problem:

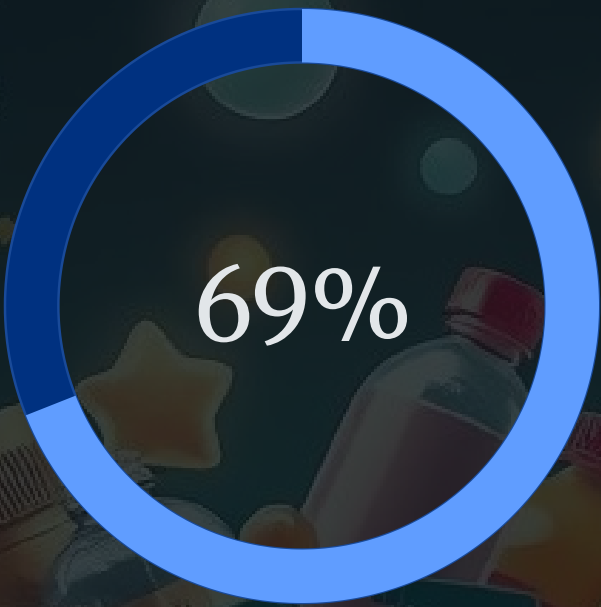
Why Online Shopping Needs Help



Keyword Confusion

Customers don't always know the "right" search terms.

Source: [BusinessWire](#)

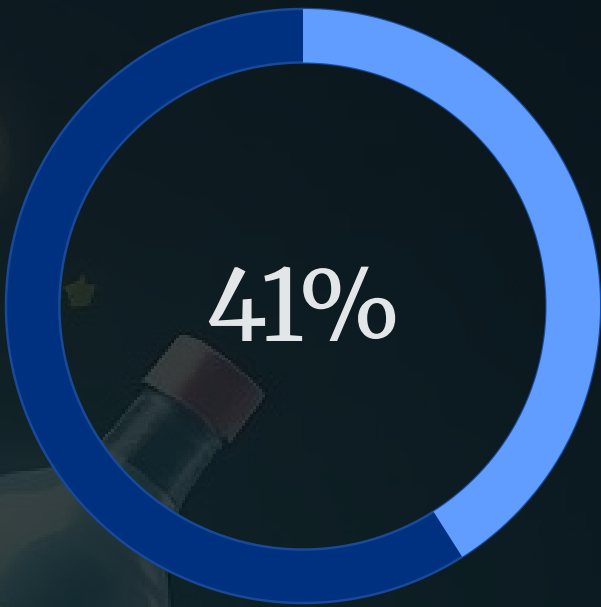


Irrelevant Search Results

Shoppers often get unrelated products due to poor keyword understanding.

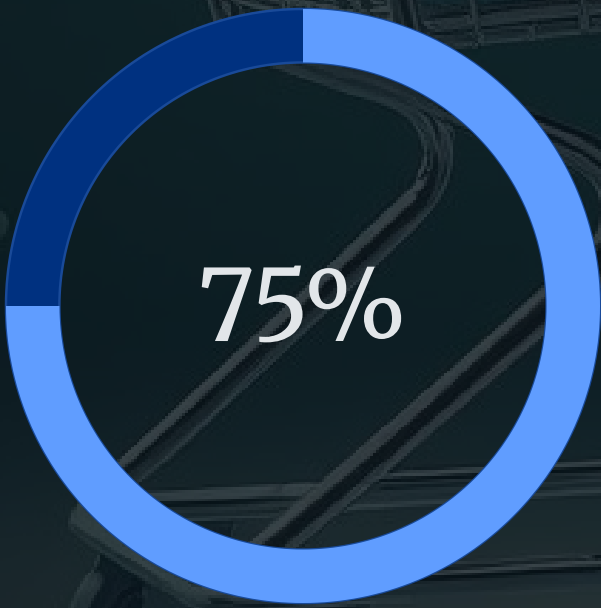
Impact: Wasted time, frustration, and drop in conversion.

Source: [New Digital Age, Nosto](#)



Cite poor search results as a top frustration.

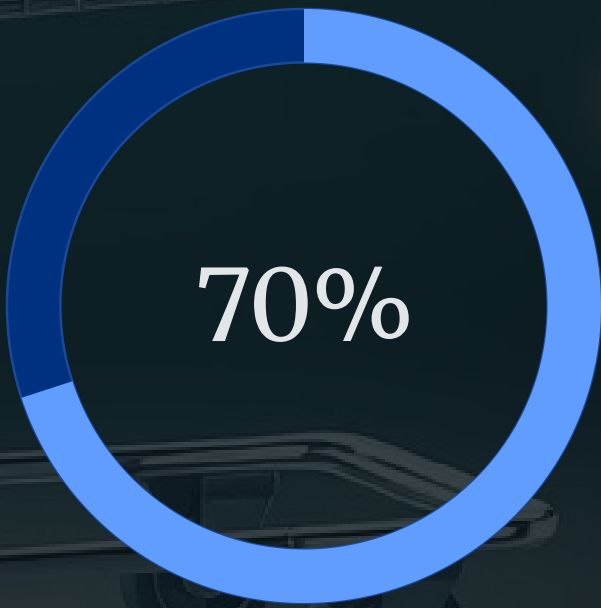
Source: [New Digital Age, Nosto](#)



Endless Reviews to Read

shoppers abandon carts due to review overload.

Source: [Customer Experience Dive](#)



Decision Paralysis

Too many options, no clarity. Choice overload causes stress, hesitation, and purchase delays.

Source: [SELF](#)

Business Impact



The Solution — ShopSmart.AI :



Voice Activation

Start shopping with voice commands for hands-free ease.



AI-Powered Search

It quickly searches, filters, and summarizes data.



Personalized Recommendations

It gives smart tips based on what you prefer.



Structured Output with the Images

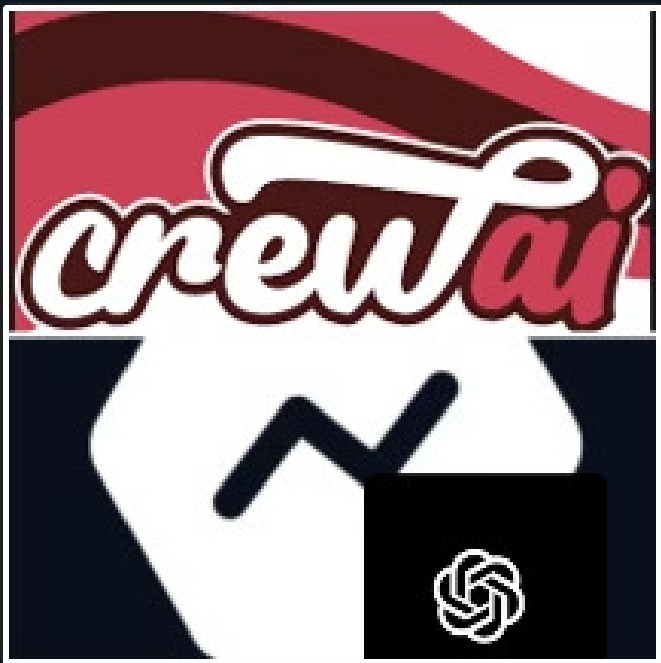
Clean, structured results with images and key product details for easy comparison.

Hello. how can i help you?

Diving into the Backend structure of our solution



Core Tech Stack



Advanced LLM Models

AIML API (OpenAi)



Search

(Serper API)

fetch live product data from e-commerce platforms



Voice Input

Whisper (OpenAi)

via AIMLAPI



Embedding Model

(OpenAi + AIMLAPI)

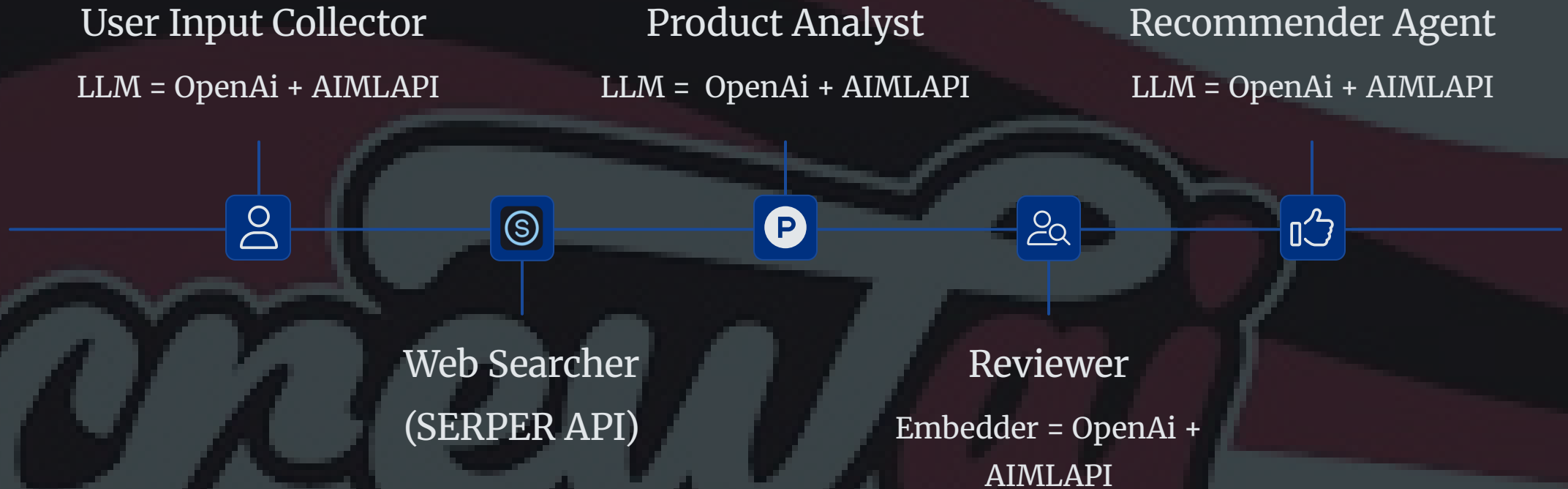
extract insights from customer feedback.



Streamlit

for interactive UI

CrewAI WorkFlow: Intelligent Agents



CrewAI enables autonomous AI agents to collaborate. They execute and delegate tasks to deliver insights.

Market Opportunity

\$6.3T

E-commerce TAM
(2024)

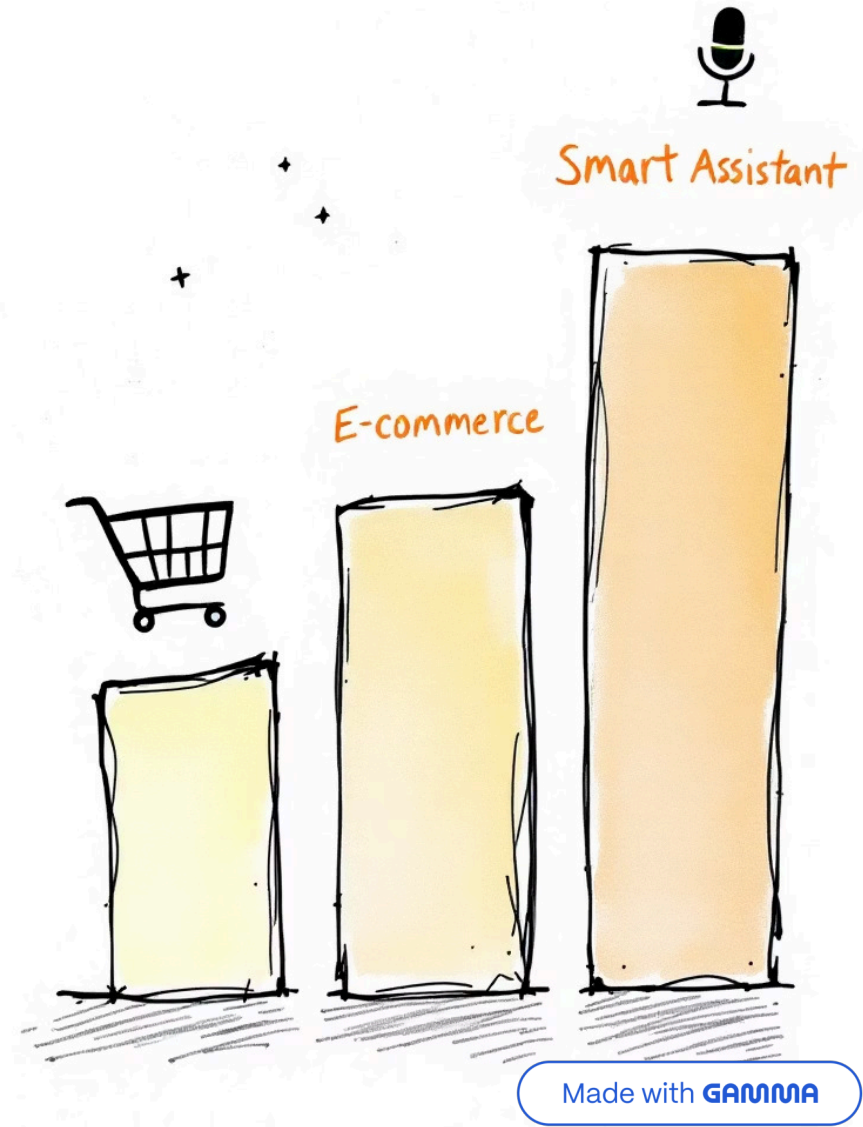
A vast market ready for
innovation.

GenAI + Shopping creates an untapped synergy. ShopSmart.AI
is poised to capture a significant share.

\$11B

Smart Assistants TAM
(2025)

Rapid growth in voice
technology.



Demo Time!

1

Live voice query

Find me the best budget gaming laptop under \$1000.

2

Agent collaboration

3

Products are displayed as **interactive cards**



ShopSmart.AI



Just ask — your AI Shopping Crew will find, analyze, and deliver the best deals!

Choose input type:



Text

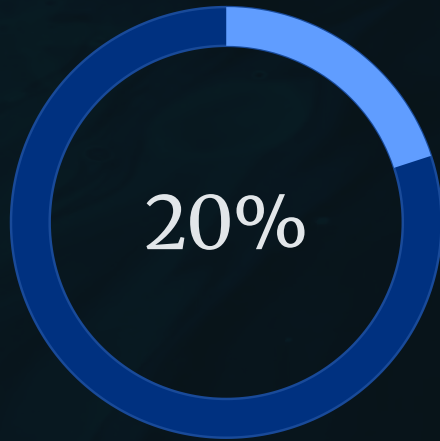


Voice

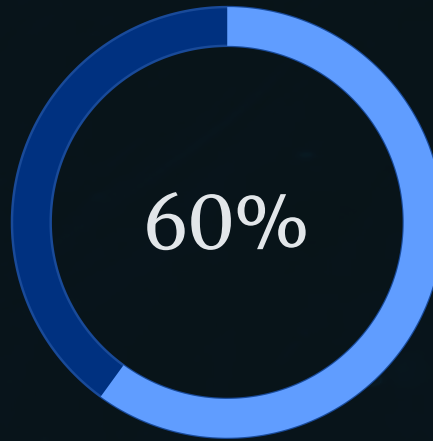
Type your query here...

Activate Window

Results : Smarter Shopping



Boost in User Engagement



Faster Product Discovery

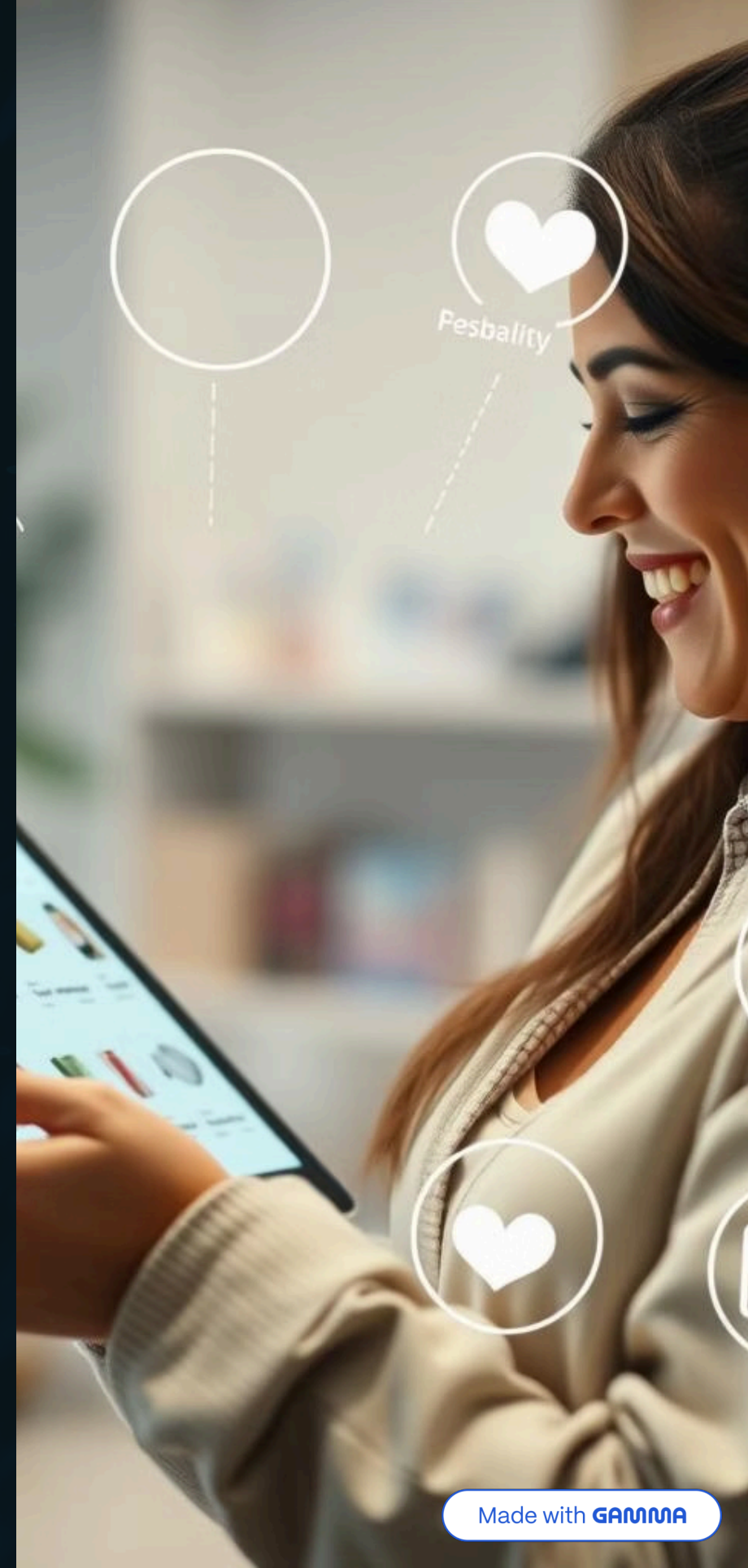
Reviews

It's like ChatGPT meets PriceOye meets a friend who knows all the best deals.

I didn't have to open 10 tabs this time. so nice!

Usually I waste so much time reading reviews — this thing just summarized everything for me. helpful .

- Voice-based interface reduces typing effort
- Easy comparison boosts **purchase confidence**



Revenue Potential

SaaS API Access:

Subscription-based API for developers and businesses.

1

2

White-Label Solutions:

Customizable platforms for online stores.

4

3

Affiliate Marketing:

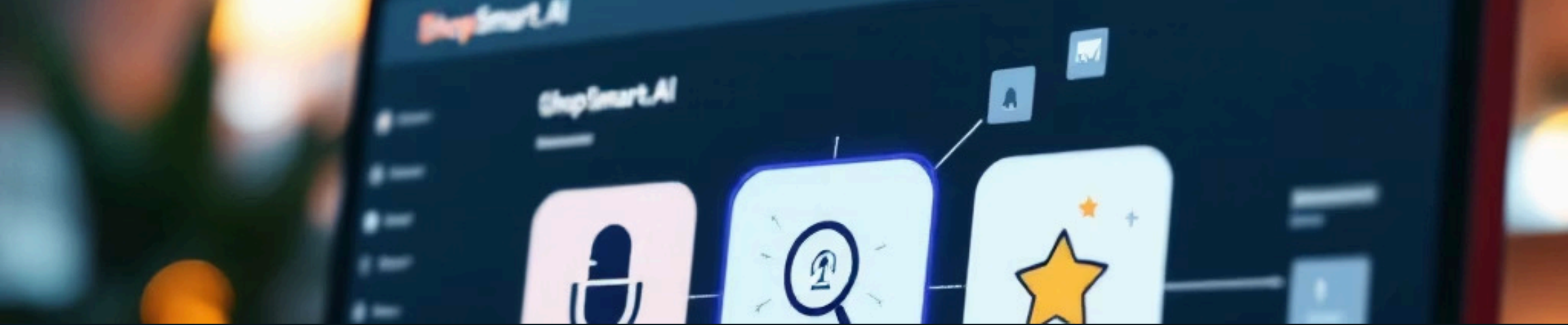
Earn commissions by promoting partner products.

Voice Commerce Integrations:

Seamless shopping via voice assistants.

Competitor Landscape:How ShopSmart.Ai Stands Out

Competitor	Strengths	Weaknesses
Siri / Alexa	Natural voice interaction	No real-time product comparison or smart shopping intent understanding
Google Shopping	Fast, broad product listings	Lacks personalization, no voice or agent-based assistance
ChatGPT	Advanced language understanding (LLM)	Not shopping-focused, lacks real-time search or product comparison
Traditional E-Commerce Apps	Huge product databases	Manual browsing, no smart recommendations or review summarization



Our Advantage:

Combines LLMs + multi-agent collaboration + voice interface to deliver personalized, intelligent, real-time shopping assistance.

Future Work: Enhancing ShopSmart.AI

Refine personalization algorithms.

Multi-Language Support

1

Image-Based Shopping

2

Expand Data Sources

Increase product coverage.

3

Price Tracking & Alerts

Notify users of price drops.

4

User Profile Memory

Store preferences for personalized recommendations.

5

Better Voice Interaction

Add TTS and wake word for voice assistant feel.

6

Mobile App or WhatsApp Bot

Easier accessibility and real-time shopping.

7

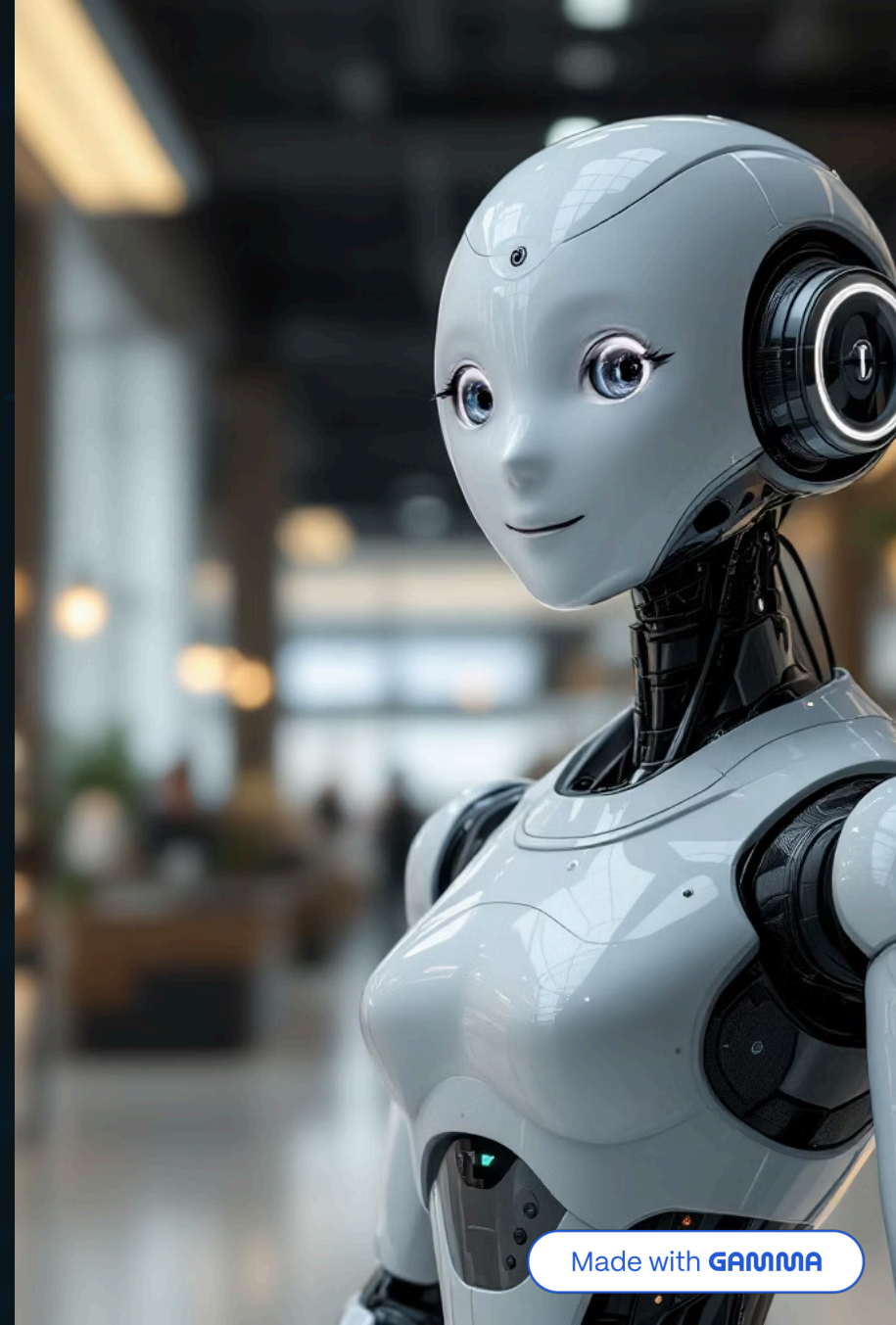
Behind The Vision:

The TechPulse Team : Led By Sheema Masood

Data Scientist | AI Developer | GenAI Enthusiast |
Solo Founder of the Team

Vision:

"My mission is to prove that a single mind,
powered by the right tools, can create assistant-
level technology that rivals industry solutions.
ShopSmart.Ai isn't just about shopping—it's about
showing the future of how AI can help individuals
in everyday life"



Made with **GAMMA**

Thank You!

Let's Connect & Collaborate


Try the Demo:

 execute-ai-genesis-hackathon-lablabai.onrender.com




Streamlit

Explore the Code:

 [https://github.com/SheemaMasood381/Execute Ai Genesis Hackathon Lablabai april2025/blob/main/README.md](https://github.com/SheemaMasood381/Execute-Ai-Genesis-Hackathon-Lablabai-april2025/blob/main/README.md)

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