

PSA



PSA

# LLM-Powered Product Search and Shopping Analyzer Assistant (PSA)

By: **[WRL Pixels Team]**

Date: 4/7/2024  
Location: Online

# Team Members

**[WRL Pixels Team (FEHU - Egypt)]**



**Noor El Deen Magdy**  
System Architect &  
Software Engineer



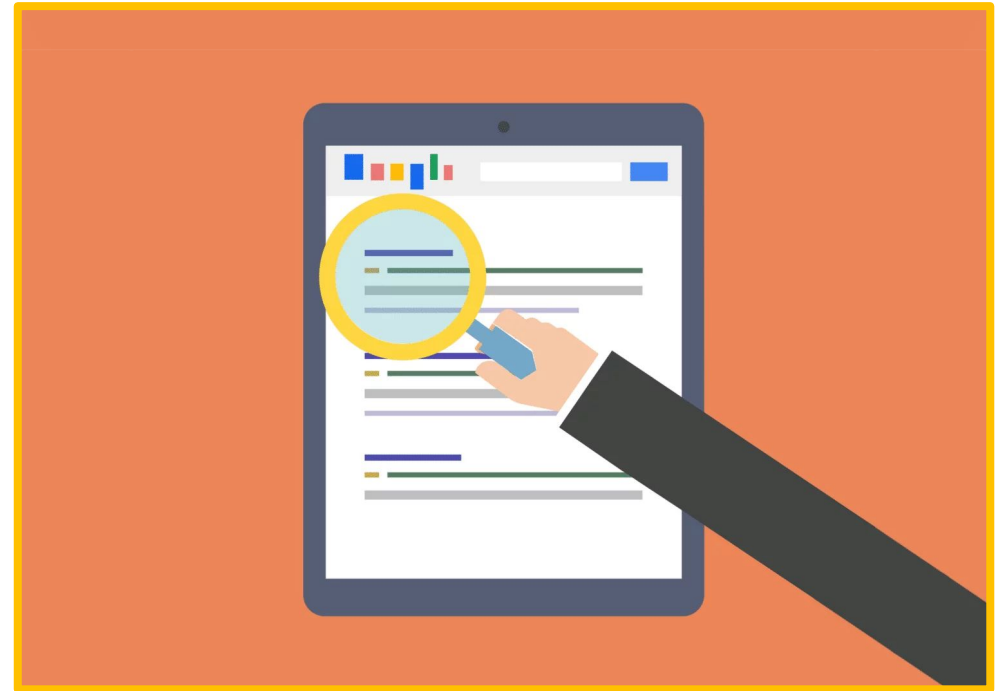
**Omar Akwah**  
ML & Software Engineer

**46%**

of online shoppers abandon their searches due to irrelevant results

**57%**

of customers say they wouldn't recommend a retailer with a poor search experience

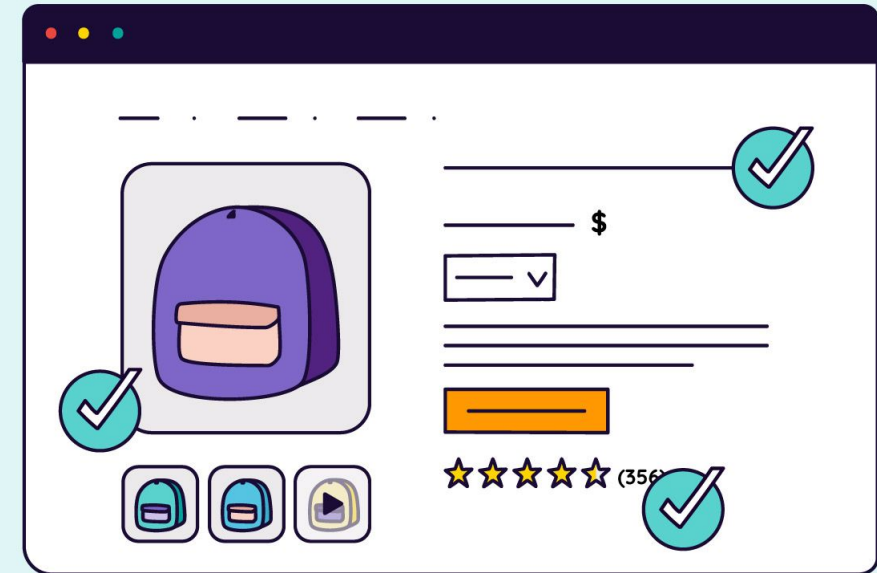


# 63%

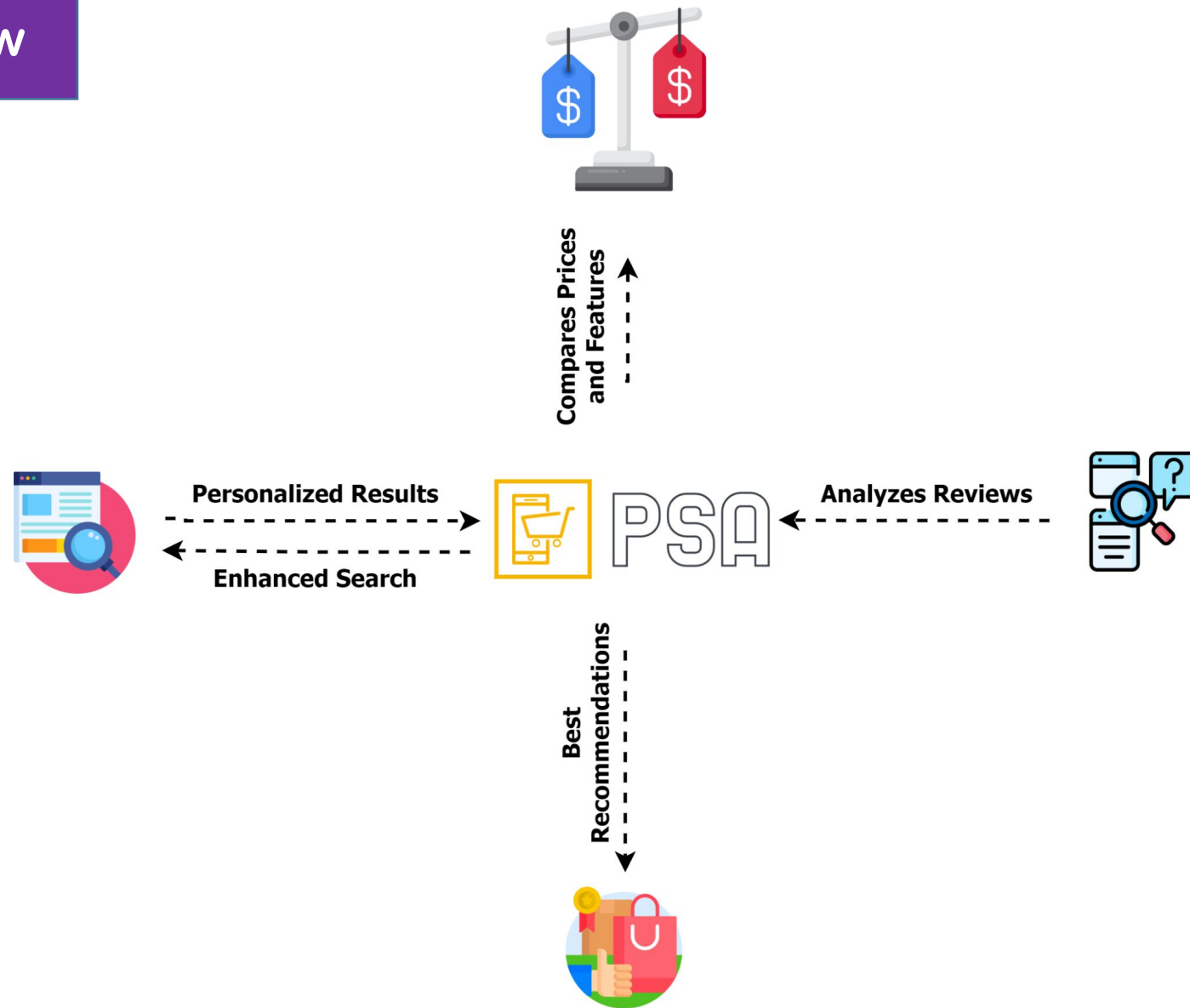
Online shoppers say they wouldn't buy a product online without first reading detailed descriptions and reviews

# Most





Incomplete product information can lead to a 20% increase in product returns







# Solution Overview







## PSA High-Level Overview


 **Spaces** |  **omarakwah / AI\_Shopping\_Assistant**  like | 0  Running



 **App**  Files  Community 

These assistants could help customers find products, compare options, answer questions and recommend the best product based on customer needs.

 Chatbot

 Retry  Undo  Clear

Type a message... 

Use via API  · Built with Gradio 

## PSA Solution Demo

#Build Your AI Startup

Want a buy the best smart watch with a budget of 5000 EGP

Spaces | omarakwah / AI\_Shopping\_Assistant | like 0 | Running | App | Files | Community

These assistants could help customers find products, compare options, answer questions and recommend the best product based on customer needs.

Chatbot

sleep tracking. The Xiaomi Mi Watch Lite starts at 1,199 EGP.

**Comparison of Features**

Feature	Apple Watch SE (2022)	Fitbit Versa 2	Amazfit Bip U Pro	Xiaomi Mi Watch Lite
Display	1.78-inch Retina display	1.6-inch AMOLED display	1.43-inch TFT display	1.4-inch TFT display
GPS	Yes	Yes	Yes	Yes
Heart rate monitoring	Yes	Yes	Yes	Yes
Sleep tracking	Yes	Yes	Yes	Yes
Activity tracking	Yes	Yes	Yes	Yes
Battery life	Up to 18 hours	Up to 6 days	Up to 9 days	Up to 9 days
Price	From 2,999 EGP	From 2,499 EGP	From 1,299 EGP	From 1,199 EGP

**Conclusion**

The best smartwatch under 5000 EGP for you will depend on your individual needs and preferences. If you're looking for a smartwatch with a sleek design, a bright display, and all the essential smartwatch features, the Apple Watch SE (2022) is a great option. If you're looking for a fitness-focused smartwatch, the Fitbit Versa 2 is a great choice. And if you're looking for a budget-friendly smartwatch, the Amazfit

Retry

Undo

Clear

Type a message...

Submit





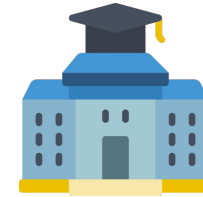
PSA Demo

**91+** E-commerce  
Businesses

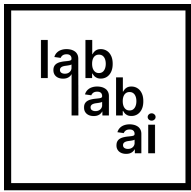
**35+** Large Retail Chains

**3.6M+** Mobile Shoppers

**Millennials and Gen Z**



My team, WRL Pixels  
is developing a Product Search and  
Shopping Analyzer Assistant (PSA)  
to enable Shoppers  
in their Shopping Journeys  
using AI and LLM Technologies.



PSA



Thank You

By: [WRL Pixels Team]

#Build Your AI Startup