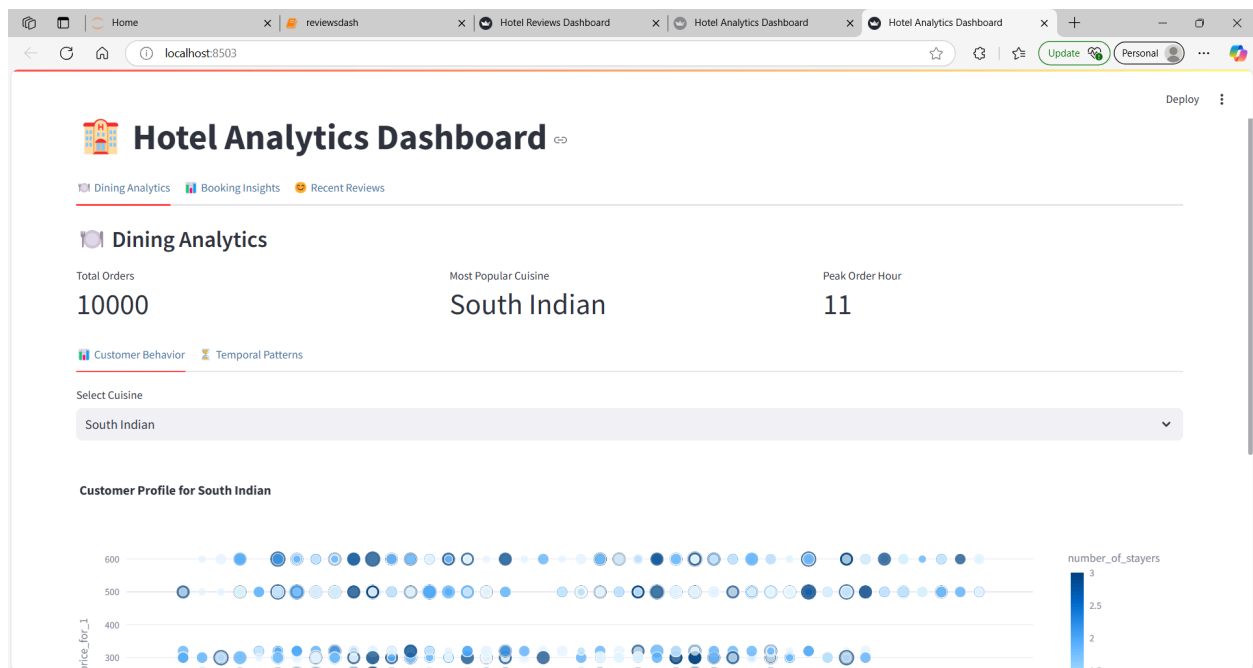


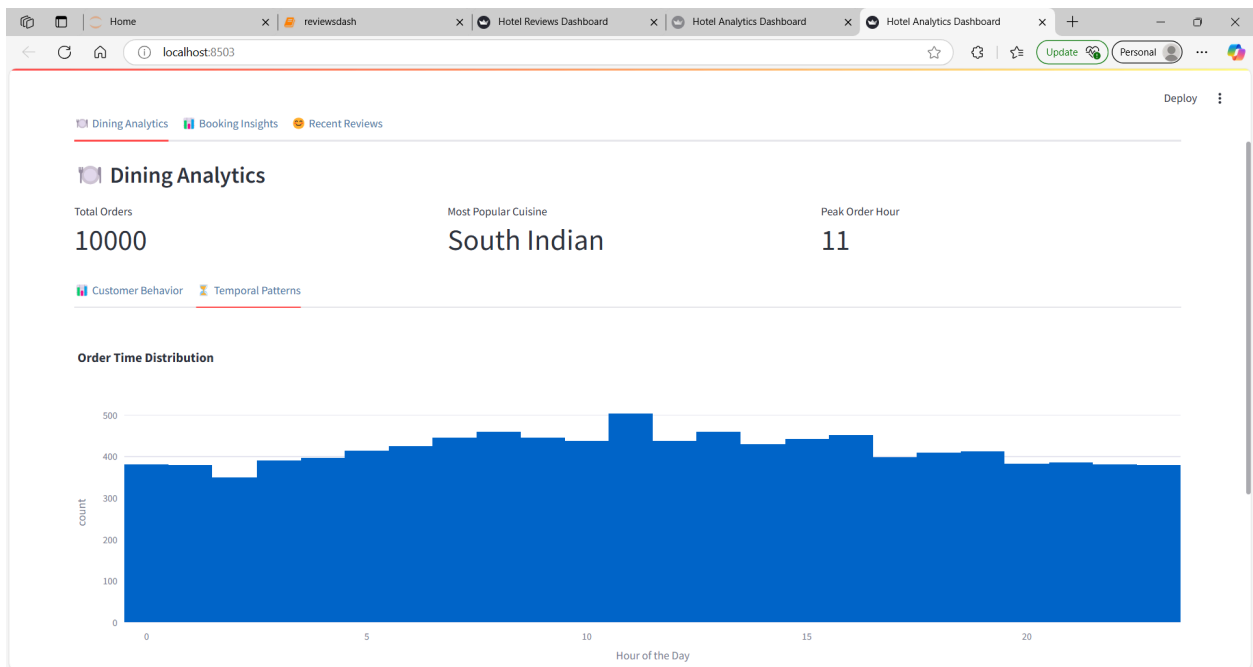
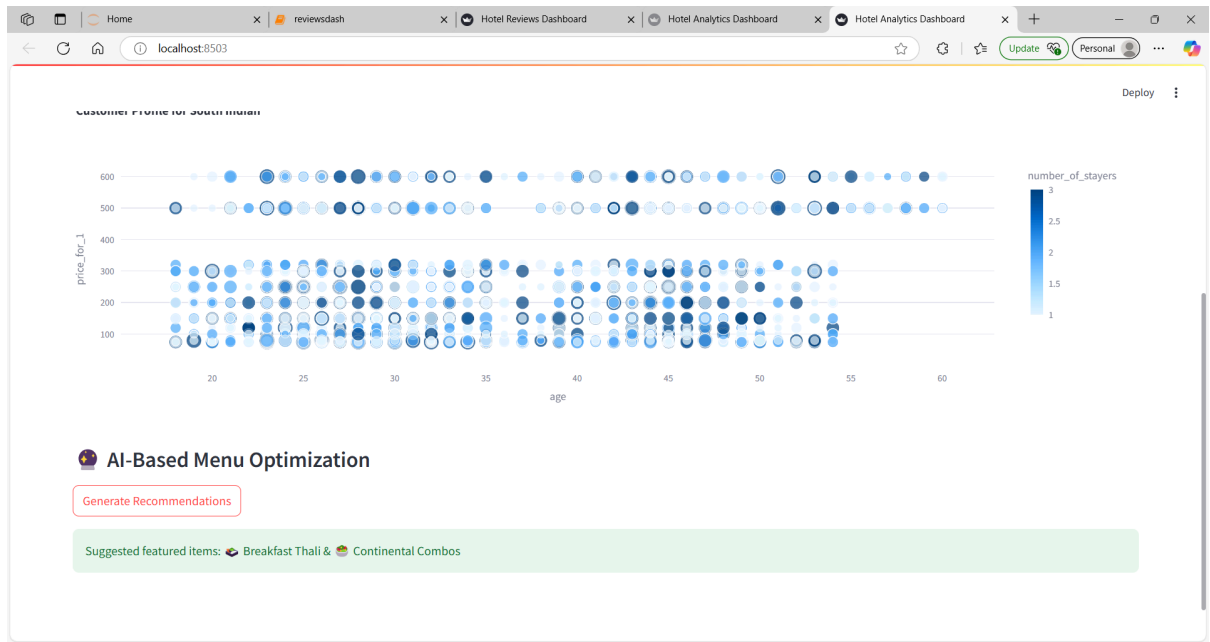
MODULE 4 : DASHBOARD CREATION FOR GUEST-X AI

The dashboard's interactive interface is organized into multiple tabs to separate different analytics areas, providing comprehensive insights into dining, booking, and customer reviews. Key components include:

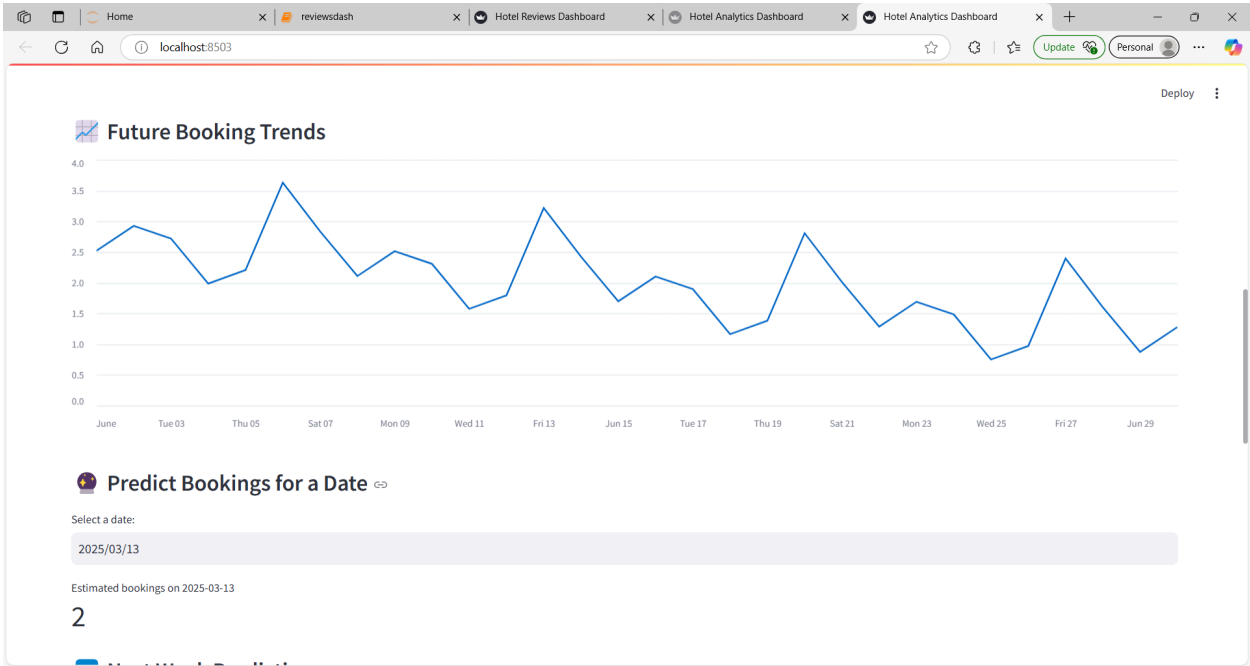
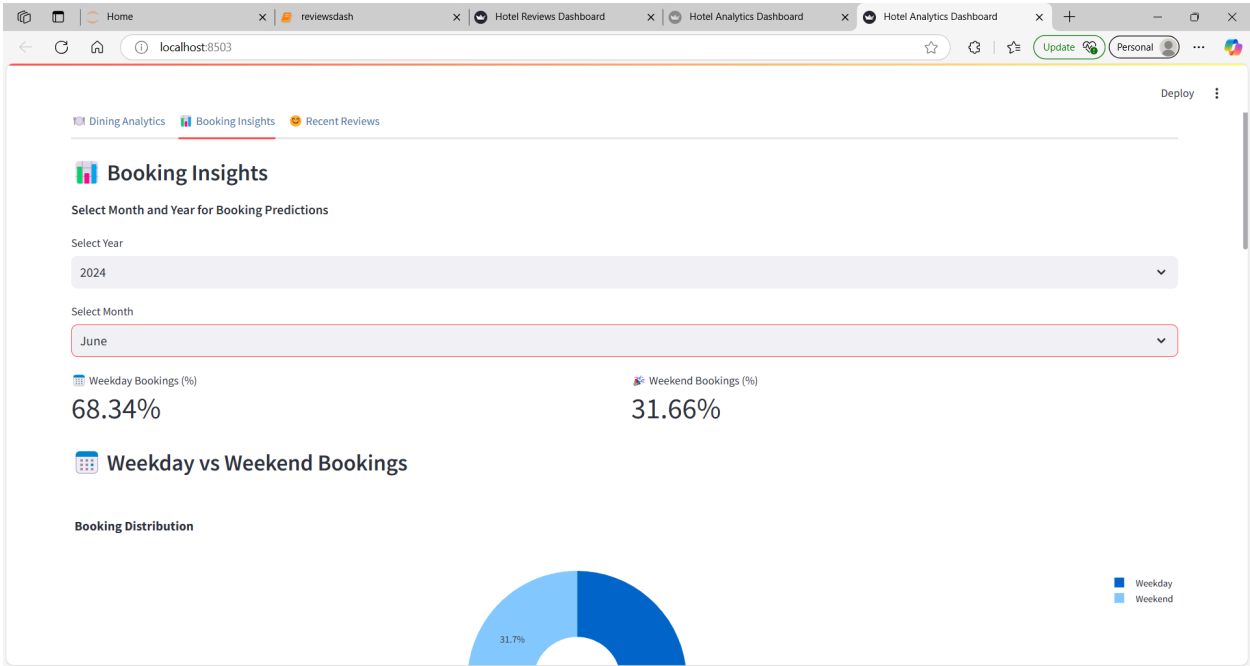
- **Dining Analytics Tab:** Displays key metrics (total orders, popular cuisine, peak order hour), interactive visualizations (scatter and histogram charts)
 1. **Customer Behavior:** Uses a Plotly Express scatter plot to map customer age (x) vs. dish price (y) with marker size and color representing order details, filtered by selected cuisine.
 2. **Temporal Pattern:** Generates a Plotly Express histogram from the order_time column (converted to hours) with 24 bins to reveal peak ordering periods.
- **Booking Insights Tab:** Allows users to filter booking data by month and year, view weekday/weekend booking percentages, and explore trend forecasts using Exponential Smoothing (including next week's predictions and historical trends).
- **Recent Reviews Tab:** Presents recent happy and angry reviews in a visually appealing format with colored review boxes, offering a quick overview of customer sentiment.

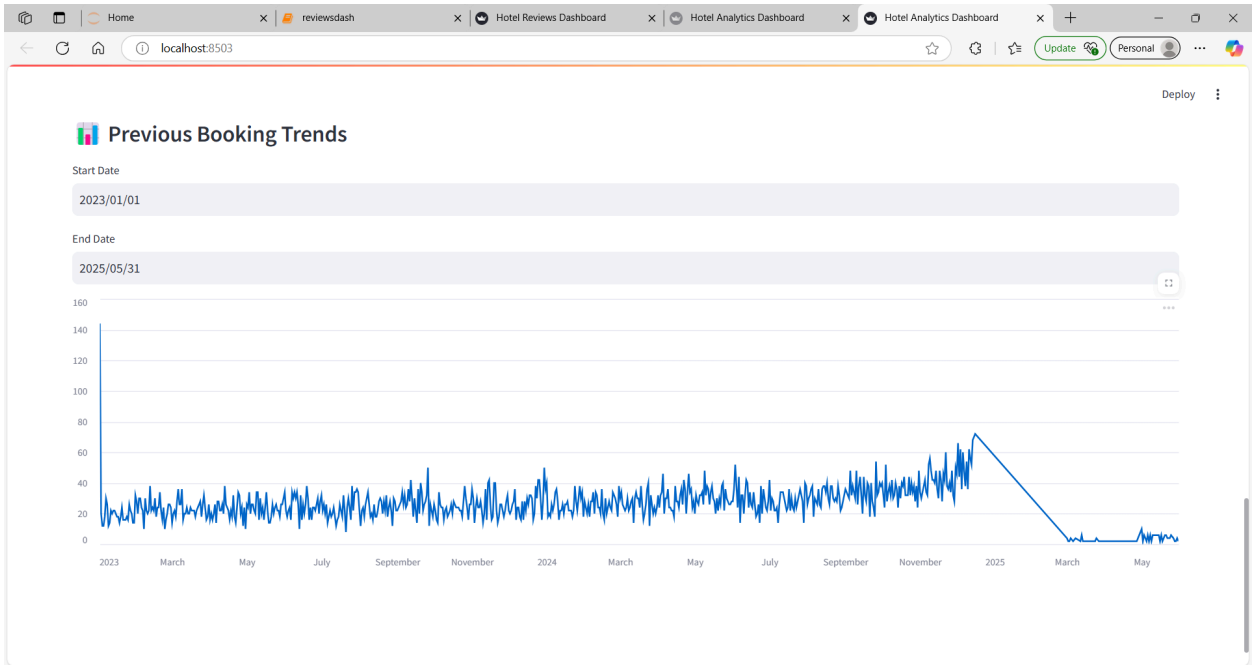
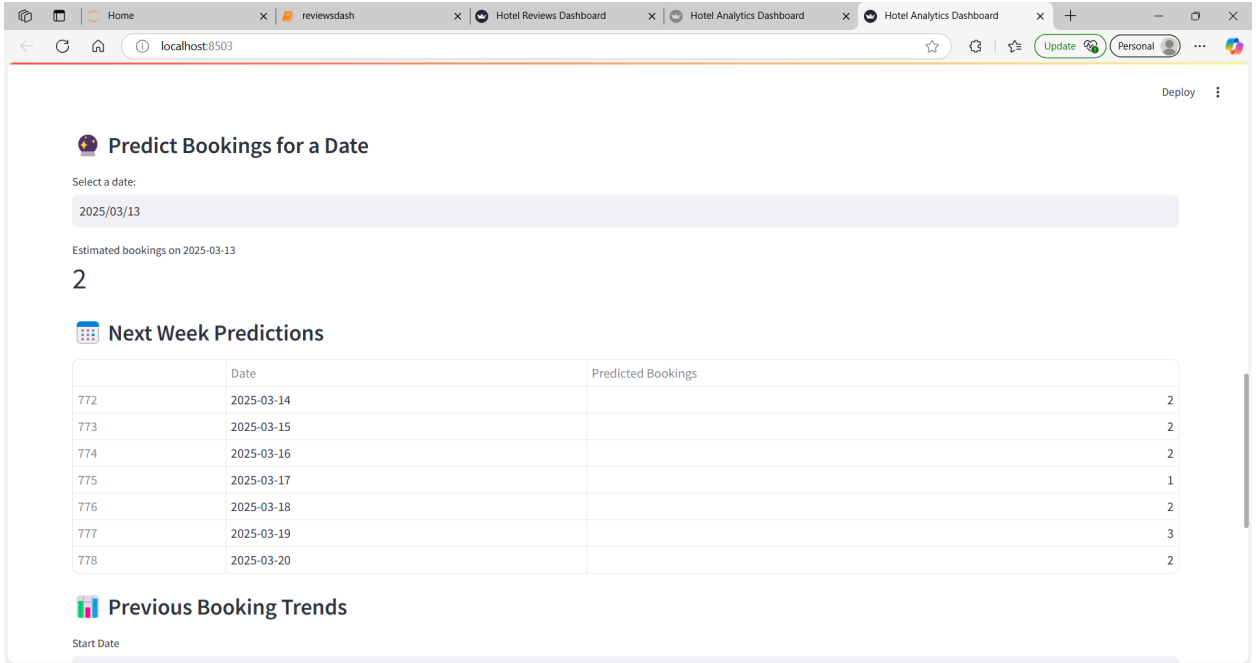
Dining Analytics Tab





Booking Insights Tab





Recent Reviews Tab

Home

reviewsdash

Hotel Reviews Dashboard


Hotel Analytics Dashboard

Hotel Analytics Dashboard

localhost:8503

UpdatePersonal

Deploy



Hotel Analytics Dashboard

Dining Analytics

Booking Insights

Recent Reviews

😊 Recent Happy & 😡 Angry Reviews

😊 Happy Reviews

★ Rating: 10.0

📄 Review: There was nothing they would have had improv d upon I had told the hotel by email that this was a 21st treat for my son and his girlfriend The two were blown away by the effort the hotel put into welcoming them and recognising the occasion They loved their room and the surprise of a Happy Birthday Cake Thank you so much

📅 Date: 2024-12-31

★ Rating: 10.0

📄 Review: Nothing negative at all Kaiserin Elisabeth is the perfect Vienna location Just a few steps away from Karntner Strasse and St Stephan s Cathedral Kaiserin Elisabeth is a clean high end hotel at a very reasonable price which includes a sumptuous breakfast and free in room Wifi The staff is topnotch and eager to help guests plan their stay from procuring tickets for events making dinner reservations suggesting some excellent restaurants close by and are especially communicative using email etc We thoroughly enjoyed our stay there and would gladly go back without hesitation It s a wonderful hotel

📅 Date: 2024-12-30

★ Rating: 10.0

😡 Angry Reviews

★ Rating: 4.2

📄 Review: Dirty AC didn t work properly shower head was broken so I had cold showers for a week My complaints were ignored They sent a woman with a new shower curtain in response to my problem with the shower I had 7 days of agony in this place I left with the flu and terrible asthma The last insult was paid wifi The free lobby wifi didn t work Close to the Tube Large room

📅 Date: 2024-12-25

★ Rating: 5.0

📄 Review: I don t like to pay more for the internet Surprisingly the net is available free anywhere in the city except inside the hotel which is only free in the lobby The rate of the hotel is high and I don t know why they put a charge for it Anyway I ll be more careful next time when I choose a hotel For that hotel they will lose a lot while they are looking for a minimum Only one thing it is next to the airport city train

📅 Date: 2024-12-23

★ Rating: 2.5

📄 Review: The hotel was disgusting The toilet smelt so bad it stunk out the whole room it was vile and there were no other rooms available so we had to stay in it The room was dirty and my