

NLP Assignment - 3 Report

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May 30, 2020

The task is to setup a Conversational System using a pre-existing framework. For the task, we have setup Rasa NLU and used it to create a simple restaurant search bot.

1 Dataset

We have created our own dataset for training the Rasa NLU. The list of training examples are each composed of "text", "intent" and "entities". The first two are strings while the last one is an array.

- The text is the search query; An example of what would be submitted for parsing.
- The intent is the intent that should be associated with the text.
- The entities are specific parts of the text which need to be identified. Entities are specified with a start and end value.

An example of single entity is shown below.

```
{
  "text": "I am looking for mexican indian fusion",
  "intent": "restaurantsearch",
  "entities": [
    {
      "start": 17,
      "end": 38,
      "value": "mexican indian fusion",
      "entity": "cuisine"
    }
  ]
}
```

Figure 1: Single Entity Example

An example of multiple entity is shown below.

```

{
  "text": "where do i find best vada in bengaluru?",
  "intent": "restaurant_search",
  "entities": [
    {
      "start": 21,
      "end": 25,
      "value": "vada",
      "entity": "cuisine"
    },
    {
      "start": 29,
      "end": 38,
      "value": "bengaluru",
      "entity": "location"
    }
  ]
}

```

Figure 2: Double Entity Example

2 Files

1. *create_train/create_train_data.py* - Python code to create the training dataset. We have customized the training examples by including various cuisines like Indian, American, Chinese etc. with different locations. For both cuisine and location, multiple tag templates have been created, whereas for just cuisine, single tag templates have been created.
For creating single tag entities, we create templates like,
"I want to eat <F/C>"
where <F/C> refers to Food/Cuisine.
Similarly, for creating multiple tag entities, templates are created like,
"Where do I find best <F/C> in <L>?"
where <F/C> refers to Food/Cuisine and <L> refers to Location.
2. *small_rest_bot/zomato_api.py* - Python code to query zomato database and retrieve top 5 restaurants based on user's query using the Zomato API Key. Top city's zomato city_id's are included inside the code itself owing to request limit of 1000 API requests/day provided per ZOMATO API KEY. Still, if rasa identifies cities which are not pre-included, we have facilitated quick city search and its ID retrieval also in the code using the same zomato API.
3. *bot.py* - Python code for chatbot. It takes input from the user regarding the food choice, gets intents from RASA's custom trained NLU model, queries zomato_api with food, cuisine (city if available) and gives results of the top 5 restaurants using zomato_api.py (*get_top_5*).
4. *projects/default/model_20200529-184756* - Folder containing our custom trained RASA NLU Model.

3 Results

Our model is able to identify intents and is able to extract proper entities which include food/cuisine and location. Our Model is also able to identify locations which it has not seen during training, as well, for e.g. Lucknow, tirupati, Mysore, Udaipur are not part of training data, but still model is able to identify these as location entities. Here are some of conversations with our bot, you can see many responses returned by model are appropriate and also observe the above cited special ability of the model i.e., identify cities that are not part of training data.

Enter any button to start bot

Enter to exit

Default Location: Chennai

User Input: Hi

Bot reply : Hi!! This is small restaurant bot

User Input: Hello

Bot reply : Hi!! This is small restaurant bot

User Input: Hey

Bot reply : Hi!! This is small restaurant bot

User Input: What are the best restaurants in jodhpur

Bot reply :

Cafe 651

651, 11th C Road, Sardarpura, Bhagat Ki Kothi, Jodhpur

11 AM to 11 PM

Shakewallah

Plot7, Sindhi Colony, Jaljog Chauraha, Near Habibs Salon, Shastri Nagar, Jodhpur

11am – 10:30pm (Mon-Sun)

C Road Cafe Restro

631, A-11, B-C Road, Sardarpura, Jodhpur

10 AM to 11 PM

Balaji Chhole Kulchhe Chat Bhandar

Shastri Circle, Shastri Nagar, Jodhpur

12 Noon to 10 PM

Rigveda

117, Ground Floor, Hamir Tower, PWD Circle

10:30 AM to 11:30 PM

User Input: What are the best restaurants in tirupati

Bot reply :

Park Lane Restaurant

Door No 1-5-567, Prakasam Road, Tirupati - 517507, Opposite Music College, Balaji Colony, Tirumala, Tirupati

12noon – 3:30pm, 6pm – 10pm (Mon-Sun)

RK Traditional Restaurant

Town Club Complex, Near N T R Circle, Balaji Colony ,Tirupathi Ho, Tirupati - 517502, 12 Noon to 10 PM

Hotel Manasa Veg Non Veg Restaurant

Door 19-9-3/5D, Renigunta Road, Ramunuja Circle, Tirumala, Tirupati

11 AM to 10:30 PM (Mon-Sat), 11:30 AM to 10:30 PM (Sun)

Eden Park Family Restaurant

D.No.20-3-124/C2, Akkarampalli Road, Near Leela Mahal Circle, Opp.SBI Bank, Tirupati., Tirumala, Tirupati

Manju Foods Family Restaurant

Chenji Plaza, Shop no:2, Opp Sbi Bank, Tilak Road, Tirupati - 517507, Bhavani Nagar, Tirumala, Tirupati

11:30 AM to 11 PM

User Input: What are the best restaurants in vijayawada

Bot reply :

The Belgian Waffle Co.

Door 40-5-16, Tikkle Road, Mogalrajapuram, Mogalrajapuram, Labbipet, Vijayawada

10am – 11:55pm (Mon-Sun)

Hotel Sai Sarovar

Jumma Masjid Complex, Near K.R Market, Canal Road, Islampet, Vijayawada

8 AM to 11 PM

Barkaas Arabic Restaurant

40-6/2-4, Plot No.31, Above Cherry's Sweets, 1st floor, Revenue Colony, Moghalrapuram, Vijayawada

12:15PM to 3:30PM, 7:15PM to 10:30PM (Mon-Sat),12Noon to 3:30PM, 7PM to 10:30PM (Sun)

Harika Royal Restaurant

43-106/1, Nandamurinagar, Mutylampadu, Indranayaknagar, Near Singh Nagar, Vijayawada

11 AM to 11 PM

Sri Satya Sai Hotel

Near Siddhartha Collage, Revenue Colony, Labbipet, Vijayawada

6 AM to 10:30 PM

User Input: where can i get dosa in south delhi
Bot reply :

Leo Dosa
152 Desborough Rd, High Wycombe HP11 2QA

User Input: where can i get dosa in delhi
Bot reply :

Indian Accent
The Lodhi, Lodhi Road, New Delhi

Juggernaut
HS-16, Main Market, Kailash Colony, New Delhi
6 AM to 11 PM

Olive Bar Kitchen
6-8, Kalka Das Marg, Mehrauli, New Delhi
12:30 PM to 12:30 AM

Carnatic Cafe
Unit 4, Ground Floor, 32nd Milestone Sector 15, Gurgaon
9 AM to 10:30 PM

Karnataka Food Centre
Ground Floor, Delhi Karnataka Sangh Building, R K Puram, New Delhi
8 AM to 11 PM

User Input: I'm craving for butter roti, where can I get?
Bot reply : Didn't find the dish/cuisine you are looking for? Here are some top restaurants you might like

Coal Barbecues
40, 2nd Floor, Bazullah Road, T. Nagar, Chennai
12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2:30pm – 4:30pm, 6:30pm – 10:30pm (Fri)

Coal Barbecues
Shop 17 18, Rajalakshmi Nagar, 7th Cross Street, 100 Feet Bypass Road, Velachery, Chennai
12 Noon to 3:30 PM, 6:30 PM to 10:30 PM

Coal Barbecues
1A-1B, Rajiv Gandhi Salai, Old Mahabalipuram Road, Sholinganallur, Navalur, Chennai
12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2pm – 3:30pm, 6:30pm – 10:30pm (Fri)

Kobe Sizzlers
1st Floor, Phoenix Market City, Velachery Main Road, Velachery, Chennai
11:30 AM to 11 PM

Amadora Gourmet Ice Cream Sorbet
23, Wallace Garden, 3rd Street, Nungambakkam, Chennai
11 AM to 1 AM

User Input: I'm craving for chapati.

Bot reply :

Welcome Hotel

112/241, Purasawalkam High Road, Purasavakkam, Chennai.

6 AM to 10 PM

ID

8, 1st Floor, Sathyam Cinemas Complex, Thiruvika Road, Royapettah, Chennai

8am – 11pm (Mon-Sun)

Shri Rajasthani Dhaba

C 40, 3rd Floor, 2nd Avenue, Opposite KFC, Anna Nagar West, Chennai

11:45 AM to 3:30 PM, 7 PM to 10:30 PM

Prem's Graama Bhojanam

23/10, 3rd Main Road, Kasturba Nagar, Adyar, Chennai

12noon – 3pm, 7pm – 10pm (Mon-Sun)

Andhikkadai

20, Dhandeeswaram Main Road, Velachery, Chennai

7am – 11am, 12noon – 3pm, 4pm – 10pm (Mon-Sun)

User Input: I'm craving for dal bati

Bot reply :

Shri Rajasthani Dhaba

C 40, 3rd Floor, 2nd Avenue, Opposite KFC, Anna Nagar West, Chennai

11:45 AM to 3:30 PM, 7 PM to 10:30 PM

Mithai Mandir

New 17, Old 16, Palani Andavar Koil Street, Vadapalani, Chennai

12 Noon to 10 PM (Mon-Sun)

Sree Agarwal Bhojanaalay

15, Venkatarayan Lane, N.S.C Bose Road, Sowcarpet, Chennai

11 AM to 3 PM, 7 PM to 9:30 PM

Symphony - Ramada

Ramada, 2A Poniamman Koil Street, Gandhi Irwin Bridge Road, Egmore, Chennai

24 Hours

Indore Zayka

Plot 5391, 1st Floor, Okkiam Pettai Road (OMR), Thuraipakkam, Chennai

6:30am – 10pm (Mon-Sun)

User Input: I would like to have kachori

Bot reply :

Tamak

4, 129, Mount Poonamalle High Road, Ramapuram, Chennai

6:30pm – 11:45pm (Mon-Fri), 12:30pm – 3:30pm, 6:30pm – 11:45pm (Sat-Sun)

Shree Mithai

18, Dr TV Road, Chetpet, Chennai

8:30am – 7pm (Mon-Sun)

Bombay Lassi

8, Bahar Agan Street, Anna Salai, Ellis Road, Behind Devi Theatre, Triplicane, Chennai

10 AM – 10 PM

Bharat Bistro

25/11, Cenotaph, 2nd Lane, Teynampet, Chennai

Nithya Amirtham Sweets

58/43, Taylors Road, Opposite SBI Bank, Kilpauk, Chennai

10:30am – 9:30pm (Mon, Wed, Thu, Fri, Sat, Sun), 10:30am – 9:30am (Tue)

User Input: I would like to have kachori in mysuru

Bot reply :

Zest

13-14, Vinoba Road, Yadavgi, Mysore

Pataka - Mannar's

Shop 5, 2460/C, 2nd Main Valmiki Road, Vontikoppal Extension, Gokulam, Mysore

12 Noon to 10:30 PM (Mon-Sun)

Just Dilli Street

42, Big Bowl Building, Near ICICI Bank, Off K.D Road, Jayalakshmipuram, Mysore

10:30am – 9:30pm (Mon-Sun)

The Bowl Factory

174, Moksha Marga, Geetha School Road, Siddhartha Nagar, Ittige Gudu, Mysore

11 AM to 11 PM

The Bowl Factory

115, 3rd Floor, Sathya Complex, Kalidasa Road, Mysore.

11 AM to 11 PM

User Input: where can I get chocolate milkshake?

Bot reply :

Coal Barbecues

40, 2nd Floor, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2:30pm – 4:30pm, 6:30pm – 10:30pm (Fri)

Coal Barbecues

Shop 17 18, Rajalakshmi Nagar, 7th Cross Street, 100 Feet Bypass Road, Velachery, Chennai

12 Noon to 3:30 PM, 6:30 PM to 10:30 PM

Coal Barbecues

1A-1B, Rajiv Gandhi Salai, Old Mahabalipuram Road, Sholinganallur, Navalur, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2pm – 3:30pm, 6:30pm – 10:30pm (Fri)

Amadora Gourmet Ice Cream Sorbet

23, Wallace Garden, 3rd Street, Nungambakkam, Chennai

11 AM to 1 AM

Barbeque Nation

39, 1st Floor, Star City Service Apartments, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Sun)

User Input: where can I get thickshake?

Bot reply : Didn't find the dish/cuisine you are looking for? Here are some top restaurants you might like

Coal Barbecues

40, 2nd Floor, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2:30pm – 4:30pm, 6:30pm – 10:30pm (Fri)

Coal Barbecues

Shop 17 18, Rajalakshmi Nagar, 7th Cross Street, 100 Feet Bypass Road, Velachery, Chennai

12 Noon to 3:30 PM, 6:30 PM to 10:30 PM

Coal Barbecues

1A-1B, Rajiv Gandhi Salai, Old Mahabalipuram Road, Sholinganallur, Navalur, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2pm – 3:30pm, 6:30pm – 10:30pm (Fri)

Kobe Sizzlers

1st Floor, Phoenix Market City, Velachery Main Road, Velachery, Chennai

11:30 AM to 11 PM

Amadora Gourmet Ice Cream Sorbet

23, Wallace Garden, 3rd Street, Nungambakkam, Chennai

11 AM to 1 AM

User Input: where can I get pongal?

Bot reply : Didn't find the dish/cuisine you are looking for? Here are some top restaurants you might like

Coal Barbecues

40, 2nd Floor, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2:30pm – 4:30pm, 6:30pm – 10:30pm (Fri)

Coal Barbecues

Shop 17 18, Rajalakshmi Nagar, 7th Cross Street, 100 Feet Bypass Road, Velachery, Chennai

12 Noon to 3:30 PM, 6:30 PM to 10:30 PM

Coal Barbecues

1A-1B, Rajiv Gandhi Salai, Old Mahabalipuram Road, Sholinganallur, Navalur, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2pm – 3:30pm, 6:30pm – 10:30pm (Fri)

Kobe Sizzlers

1st Floor, Phoenix Market City, Velachery Main Road, Velachery, Chennai

11:30 AM to 11 PM

Amadora Gourmet Ice Cream Sorbet

23, Wallace Garden, 3rd Street, Nungambakkam, Chennai

11 AM to 1 AM

User Input: I would like to have Pongal

Bot reply : Didn't find the dish/cuisine you are looking for? Here are some top restaurants you might like

Coal Barbecues

40, 2nd Floor, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2:30pm – 4:30pm, 6:30pm – 10:30pm (Fri)

Coal Barbecues

Shop 17 18, Rajalakshmi Nagar, 7th Cross Street, 100 Feet Bypass Road, Velachery, Chennai

12 Noon to 3:30 PM, 6:30 PM to 10:30 PM

Coal Barbecues

1A-1B, Rajiv Gandhi Salai, Old Mahabalipuram Road, Sholinganallur, Navalur, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2pm – 3:30pm, 6:30pm – 10:30pm (Fri)

Kobe Sizzlers

1st Floor, Phoenix Market City, Velachery Main Road, Velachery, Chennai

11:30 AM to 11 PM

Amadora Gourmet Ice Cream Sorbet

23, Wallace Garden, 3rd Street, Nungambakkam, Chennai

11 AM to 1 AM

User Input: I would like to have Pongal?

Bot reply : Didn't find the dish/cuisine you are looking for? Here are some top restaurants you might like

Coal Barbecues

40, 2nd Floor, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2:30pm – 4:30pm, 6:30pm – 10:30pm (Fri)

Coal Barbecues

Shop 17 18, Rajalakshmi Nagar, 7th Cross Street, 100 Feet Bypass Road, Velachery, Chennai

12 Noon to 3:30 PM, 6:30 PM to 10:30 PM

Coal Barbecues

1A-1B, Rajiv Gandhi Salai, Old Mahabalipuram Road, Sholinganallur, Navalur, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2pm – 3:30pm, 6:30pm – 10:30pm (Fri)

Kobe Sizzlers

1st Floor, Phoenix Market City, Velachery Main Road, Velachery, Chennai

11:30 AM to 11 PM

Amadora Gourmet Ice Cream Sorbet

23, Wallace Garden, 3rd Street, Nungambakkam, Chennai

11 AM to 1 AM

User Input: I would like to have poori

Bot reply : Didn't find the dish/cuisine you are looking for? Here are some top restaurants you might like

Coal Barbecues

40, 2nd Floor, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2:30pm – 4:30pm, 6:30pm – 10:30pm (Fri)

Coal Barbecues

Shop 17 18, Rajalakshmi Nagar, 7th Cross Street, 100 Feet Bypass Road, Velachery, Chennai

12 Noon to 3:30 PM, 6:30 PM to 10:30 PM

Coal Barbecues

1A-1B, Rajiv Gandhi Salai, Old Mahabalipuram Road, Sholinganallur, Navalur, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2pm – 3:30pm, 6:30pm – 10:30pm (Fri)

Kobe Sizzlers

1st Floor, Phoenix Market City, Velachery Main Road, Velachery, Chennai

11:30 AM to 11 PM

Amadora Gourmet Ice Cream Sorbet

23, Wallace Garden, 3rd Street, Nungambakkam, Chennai

11 AM to 1 AM

User Input: where can I get poori ?

Bot reply :

Shree Mithai

18, Dr TV Road, Chetpet, Chennai

8:30am – 7pm (Mon-Sun)

Welcome Hotel

112/241, Purasawalkam High Road, Purasavakkam, Chennai.

6 AM to 10 PM

Ratna Cafe

255, Triplicane High Road, Triplicane, Chennai

7:30 AM to 10:30 PM

Cream Centre

55, 2nd Main Road, Near Kaliappa Hospital, RA Puram, Chennai

11am – 9pm (Mon-Sun)

Bhangra

Mayajaal Multiplex, Kanathur, Chennai

12 Noon – 12 Midnight (Mon-Fri), 6:30 AM – 10:30 AM, 12 Noon – 12 Midnight (Sat-Sun)

User Input: where can I get kesari ?

Bot reply :

Barbeque Nation

39, 1st Floor, Star City Service Apartments, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Sun)

Eating Circles

6, CP Ramaswamy Road, Alwarpet, Chennai

7 AM to 11 PM

Southern Spice - Taj Coromandel

Taj Coromandel, 37, Mahatma Gandhi Road, Nungambakkam, Chennai

12:30 PM to 2:45 PM, 7 PM to 11:45 PM

Sukkubhai Biryani

New 14, Old 11/3Q, Railway Station Road, MKN Road, Near Antony Church, Alandur, Chennai

Mon-Sun (10 AM to 10:30 PM)

Sukkubhai Biryani

333, MKN Road, Alandur, Nehru Nagar, Beside Indian Bank, Perungudi, Chennai

11am – 9pm (Mon-Sun)

User Input: where can I get Biryani ?

Bot reply : Didn't find the dish/cuisine you are looking for? Here are some top restaurants you might like

Coal Barbecues

40, 2nd Floor, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2:30pm – 4:30pm, 6:30pm – 10:30pm (Fri)

Coal Barbecues

Shop 17 18, Rajalakshmi Nagar, 7th Cross Street, 100 Feet Bypass Road, Velachery, Chennai

12 Noon to 3:30 PM, 6:30 PM to 10:30 PM

Coal Barbecues

1A-1B, Rajiv Gandhi Salai, Old Mahabalipuram Road, Sholinganallur, Navalur, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2pm – 3:30pm, 6:30pm – 10:30pm (Fri)

Kobe Sizzlers

1st Floor, Phoenix Market City, Velachery Main Road, Velachery, Chennai

11:30 AM to 11 PM

Amadora Gourmet Ice Cream Sorbet

23, Wallace Garden, 3rd Street, Nungambakkam, Chennai

11 AM to 1 AM

User Input: can i get chicken biryani in chennai ?

Bot reply :

Coal Barbecues

40, 2nd Floor, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2:30pm – 4:30pm, 6:30pm – 10:30pm (Fri)

Coal Barbecues

Shop 17 18, Rajalakshmi Nagar, 7th Cross Street, 100 Feet Bypass Road, Velachery, Chennai

12 Noon to 3:30 PM, 6:30 PM to 10:30 PM

Coal Barbecues

1A-1B, Rajiv Gandhi Salai, Old Mahabalipuram Road, Sholinganallur, Navalur, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Tue), 12noon – 3:30pm, 6:30pm – 10:30pm (Wed, Thu, Sat, Sun), 2pm – 3:30pm, 6:30pm – 10:30pm (Fri)

Barbeque Nation

39, 1st Floor, Star City Service Apartments, Bazullah Road, T. Nagar, Chennai

12noon – 3:30pm, 7pm – 10:30pm (Mon-Sun)

J.Hind - Grand by GRT Hotels

Grand by GRT Hotels, 120, Sir Thyagaraya Road, T. Nagar, Chennai

User Input: can i get chicken biryani in delhi ?

Bot reply :

The Biryani Project

Greater Kailash 2 (GK2), New Delhi

12noon – 10pm (Mon-Fri), 11am – 10:30pm (Sat-Sun)

Doodle's Garden

Plot 1, 2nd Floor, NWA Club Road, Punjabi Bagh, New Delhi

11am – 1am (Mon-Sun)

Threesixtyone Degrees - The Oberoi The Oberoi, 443, Phase 5, Udyog Vihar, Gurgaon

5:30 AM to 1 AM

Manhattan Bar Brewery

1st Floor, Global Foyer Mall, Sector 43, Golf Course Road, Gurgaon

1 PM to 1 AM (Mon-Sun)

Chor Bizarre

Bikaner House, Pandara Road, Near India Gate, Pandara Road Market, New Delhi

User Input: can i get chicken biryani in hyderabad ?

Bot reply :

Jewel of Nizam - The Minar - The Golkonda Resort

The Minar Golkonda Resorts, Gandipet, Hyderabad

12:30 PM to 3 PM, 7 PM to 11 PM

The Globe Grub

Shop 202 203, Survey 50, 2nd Floor, Raichandani Business Park, Near Win Vision Hospital, Gachibowli, Hyderabad

11:30 AM to 4 PM, 6:30 PM to 11 PM

Exotica

5th Floor, 12th Square Building, Road 12, Opposite Audi Showroom, Banjara Hills, Hyderabad

12:30pm – 3pm, 7pm – 11pm (Mon, Tue, Wed, Fri, Sat, Sun), 12noon – 3pm, 7pm – 11pm (Thu)

Farzi Cafe

1200, Road 59, Jubilee Hills, Hyderabad

12Noon to 11PM (Mon, Tue, Wed, Thu, Sun), 12Noon to 12:30AM (Fri-Sat)

Carpe Diem

724/A, Road 37, Jubilee Hills, Hyderabad

Closed (Mon, Tue, Sun), 8pm – 11:30pm (Wed), 8pm – 12midnight (Thu), 12midnight – 12:30am, 8pm – 12midnight (Fri-Sat)

4 References

1. Tutorial: A simple restaurant search bot
2. ZOMATO API