

REPORT

PRAGATI ENGINEERING COLLEGE

(Approved by AICTE, Permanently Affiliated to JNTUK, KAKINADA & Accredited by NBA)

1-378, A.D.B. Road, Surampalem, Near Peddapuram-533437



“AI B0T APPLICATION”

Date: 22-11-2024.

Day: Friday.

Turing Club organised by the Dept. of CSE – AI&ML of Pragati Engineering College in association with Career Guidance Cell is organizing a seminar on

" AI B0T APPLICATION " as part of Industry 4.0.

Attended Student List:



PRAGATI ENGINEERING COLLEGE
(Autonomous)
B.Tech
Computer Science and Engineering
(Artificial Intelligence & Machine Learning)

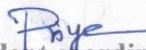
EVENT NAME: AI Bot Application.

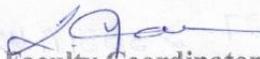
DATE: 22-11-2024.

SPEAKER NAMES: K. Janoosh.

The list of students attended for this event.

S.No	Roll No.	Name of the Student	Year	Signature
1	23A31A42F7	T. Chandra kranthi	II	T. Kranthi
2	23A31A42E9	N. Dhanya Radhika	II	N. Dhanya Radhika
3	23A31A42E3	K. Navya Jyothi	II	K. Navya
4	23A31A42D8	D. Tejaswini	II	D. Tejaswini
5	23A31A42D4	B. Hari Deepika	II	B. Hari
6	23A31A42EA	K. Manasa	II	K. Manasa
7	23A31A42F4	R. Kusuma	II	R. Kusuma
8	23A31A42E2	K. Anjani Suryaprabha	II	K. Anjani
9	23A31A4201	B. Nagajyothi	II	B. Nagajyothi
10	23A31A4207	K. Lalitha Kum	II	Lalitha Kum
11	23A31A4215	M. Srilaya	II	M. Srilaya
12	23A31A4230	Kavya Vundi	II	Kavya Vundi
13	23A31A4240	P. Vijaya	II	P. Vijaya


Student coordinator


Faculty Coordinator

A. Radhakrishnan
HoD-CSE(AI&ML)

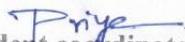


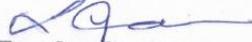


PRAGATI ENGINEERING COLLEGE
(Autonomous)
B.Tech
Computer Science and Engineering
(Artificial Intelligence & Machine Learning)

The list of students attended for this event.

S.No	Roll No.	Name of the Student	Year	Signature
14.	23A31A4257	P. Peter Paul	II	P. Peter Paul
15.	23A31A4261	S. S Krishna	II	S. S Krishna
16.	24A35A4203	A. Thorun chowday	II	A. Thorun chowday
17.	23A31A4297	T. Bhavya	II	Bhavya
18.	23A31A4294	D. V. S. Varsh	II	D. V. S. Varsh
19.	23A31A42A9	K. Ragu	II	K. Ragu
20.	23A31A42A5	G. Mukesh	II	G. Mukesh
21.	23A31A4290	SHAIK AHMADONNKA	II	SHAIK AHMADONNKA
22.	23A31A42A0	B. Rajesh	II	B. Rajesh
23.	23A31A42A2	DAJAY KUMAR	II	DAJAY KUMAR
24.	23A31A42A5	G. Mukesh	II	G. Mukesh
25.	23A31A4279	K. SUGANYA	II	K. SUGANYA
26.	23A31A4287	P. J. S. Tamani	II	P. J. S. Tamani
27.	23A31A42C9	V. B. S. Vinay	II	V. B. S. Vinay


Student coordinator


Faculty Coordinator


HoD-CSE(AI&ML)





PRAGATI ENGINEERING COLLEGE
(Autonomous)
B.Tech
Computer Science and Engineering
(Artificial Intelligence & Machine Learning)

EVENT NAME: AI Bot Application

DATE: 22-11-2024

SPEAKER NAMES: Tanoosh.k

The list of students attended for this event.

S.No	Roll No.	Name of the Student	Year	Signature
1	23A31A42H5	K.Mohansai	II	k.mohansai
2	23A31A42H2	G.Durga Malleswar	II	G.Mall
3	23A31A42H4	P.Srisram	II	P.Srisram
4	23A31A42H7	K.Rajesh	II	K.Rajesh
5	23A31A42H1	U.Diwakar	II	U.Diwakar
6	23A31A42H6	K.H.T.SAIKIRAN	II	Saikiran
7	23A31A42H1	M.Sudya Nikhil	II	M.Sudya Nikhil
8	23A31A42H7	D.V.A. ASAY. Iwman	II	D.V. ASAY.
9	23A31A42H9	K.Raju	II	K.Raju
10	23A31A42G6	D.Ravi narayana	II	D.Ravi.N
11				
12				
13				

Priya
Student coordinator

L. G. S.
Faculty Coordinator

A. Radha Krishna
HoD-CSE(AI&ML)



FEED BACK ANALYSIS

How satisfied were you with the session content:

Total number of Students: 12

TECHNICAL PRESENTATION OF THE SPEAKER

Number Of Students Rating 5: 8

Number Of Students Rating 4: 3

Number Of Students Rating 3: 1

Number Of Students Rating 2: 0

Number Of Students Rating 1: 0

CONTENT OF THE TOPIC COVERED

Number Of Students Rating 5: 9

Number Of Students Rating 4: 3

Number Of Students Rating 3: 0

Number Of Students Rating 2: 0

Number Of Students Rating 1: 0

Overall rating: Very Good

Faculty Coordinator

HoD-CSE (AI&ML)

Content Delivered in the Event:



Concepts

- Types of chatbots
- ChatBot using Microsoft Azure Portal
- ChatBot using Python And OpenAI-API keys



Types of ChatBots

1. Rule-Based Chatbots

Functionality: Operate based on predefined rules and scripts.

Capabilities: Respond to specific commands or keywords and follow set conversation flows.

Limitations: Lack the ability to understand context beyond their programming, making them less flexible in handling unexpected queries.



Types of ChatBots

2. AI-Powered Chatbots

Functionality: Utilize machine learning and NLP to understand and process user inputs more dynamically.

Capabilities: Offer more personalized and context-aware responses compared to rule-based systems.

Advantages: Lack the ability to understand context beyond their programming, making them less flexible in handling unexpected queries.



Types of ChatBots

3. Voice-Activated Chatbots

Functionality: Integrate with voice recognition technologies to engage in spoken conversations.

Examples: Virtual assistants like Amazon's Alexa, Apple's Siri, and Google Assistant.

Applications: Hands-free operations, accessibility enhancements, and integration with smart home devices.



Types of ChatBots

4. Hybrid Chatbots

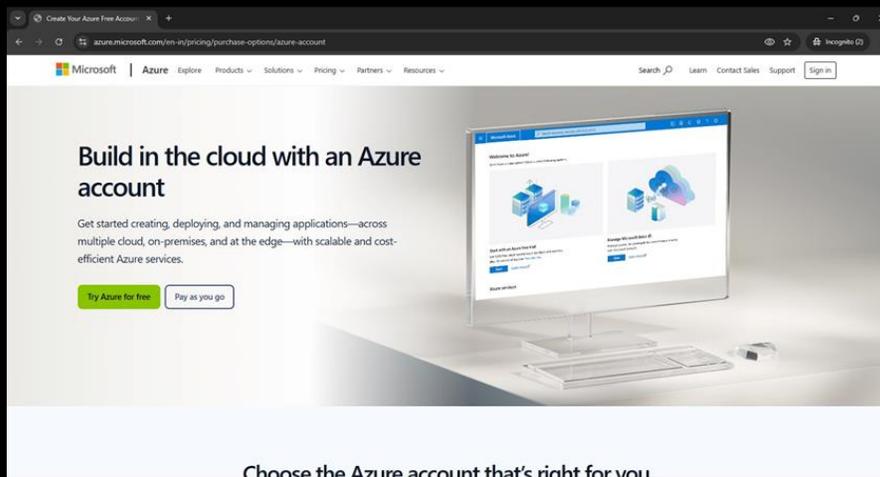
Functionality: Combine rule-based approaches with AI capabilities.

Examples: Balance structured interactions with the flexibility to handle more nuanced conversations.

Use Cases: Businesses that require both consistent responses for common queries and the ability to manage more complex customer interactions.

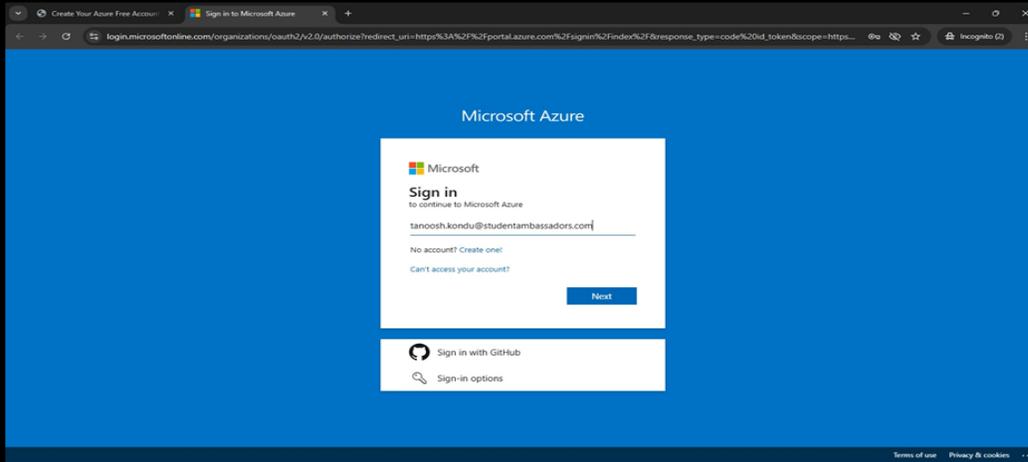


ChatBot using Microsoft Azure Portal

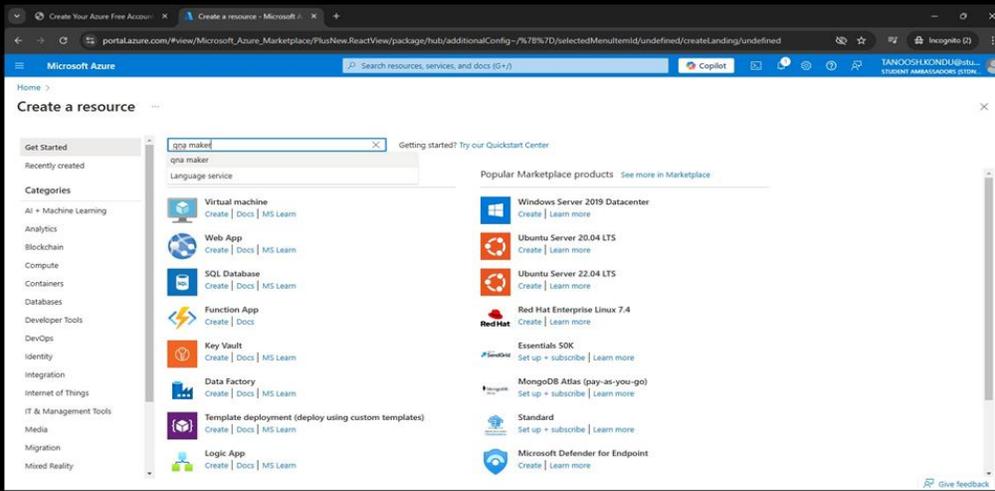




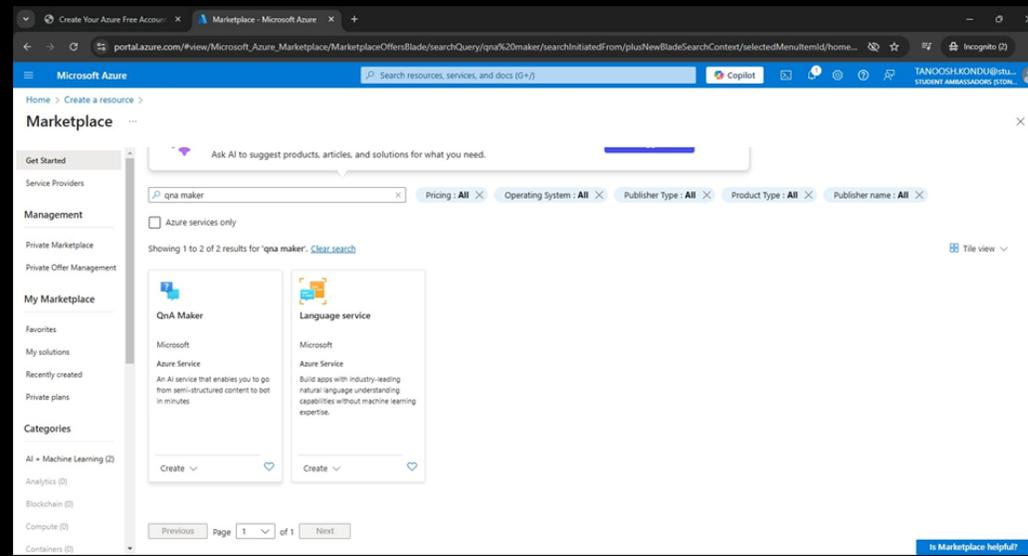
ChatBot using Microsoft Azure Portal



ChatBot using Microsoft Azure Portal



ChatBot using Microsoft Azure Portal





ChatBot using Microsoft Azure Portal

From 1st October 2022, we have completely restricted the creation of new QnA Maker resources.

- QnA Maker retirement was announced in March 2022.
- Any existing resources will continue as before and customers will also be able to create new KBs on them. We will continue supporting those existing resources till March 2025.
- Please note that as we have stopped resource creation in QnA Maker, you will no longer be allowed to change the pricing tier.
- We are encouraging our customers to heavily prioritize the migration to the new Question answering service as soon as possible.
- Question Answering benefits in the form of improved relevance, support for more regions, support for unstructured documents and many more enterprise ready features.
- We have no rollout plans for any new feature request or enhancement in QnA Maker going forward.

My knowledge bases

Select tenant: Student Ambassadors | Select subscription: All subscriptions | Select service: All services

You currently have no "knowledge bases", build one using the Create a knowledge base menu item. If this error persists please Sign out and Sign in again. [Learn more](#)

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ChatBot using Microsoft Azure Portal

Microsoft Azure Marketplace

Search resources, services, and docs (0+)

Ask AI to suggest products, articles, and solutions for what you need.

qna maker | Pricing: All | Operating System: All | Publisher Type: All | Product Type: All | Publisher name: All

Showing 1 to 2 of 2 results for "qna maker". [Clear search](#)

QnA Maker | Language service

Microsoft Azure Service | Microsoft Azure Service

is Marketplace helpful?



ChatBot using Microsoft Azure Portal

Microsoft Azure

Create QnA Maker

Pricing tier (Learn More) | Standard S0 (\$10 per month for unlimited documents, 3 transactions)

Azure Search details - for data

Azure Search location: (US) East US | Azure Search pricing tier

App Service details - for runtime

App name: QnA-Funkaj-Demo | Website location: (US) East US

App insights details - for telemetry and chat logs

Review + create | Next: Tags



ChatBot using Microsoft Azure Portal

STEP 3

Name your KB.
The knowledge base name is for your reference and you can change it at anytime.

Name

Name your knowledge base

STEP 4

Populate your KB.
Extract question-and-answer pairs from an online FAQ, product manuals, or other files. Supported formats are .txt, .pdf, .docx, .xlsx, containing questions and answers in sequence. [Learn more about knowledge base sources.](#) Skip this step to add questions and answers manually after creation. The number of sources and file size you can add depends on the QnA service SKU you choose. [Learn more about QnA Maker SKUs.](#)

Enable multi-turn extraction from URLs, .pdf or .docx files. [Learn more.](#)

URL

http://

+ Add URL

File name

+ Add file



ChatBot using Microsoft Azure Portal

Question	Answer
What is your name ?	Pankaj
Where do you live?	Delhi
What is full form of ROM?	Read only memory



ChatBot using Microsoft Azure Portal

Open

Personal (E) > Video,YouTube

Name	Date modified	Type	Size
Camera_vid	13-06-2022 13:03	File folder	
Engineer_desk	15-06-2022 13:22	File folder	
MyHome-sw	18-06-2022 23:27	File folder	
Tech_Comenwak	19-05-2022 19:05	File folder	
Hello people	10-05-2022 09:56	Microsoft Word D...	12
shortcut	10-05-2022 09:54	Text Document	1
YT_Upcoming	25-05-2022 11:21	Microsoft Excel W...	12

File name: Custom Files

+ Add file

Chit-chat

Give your bot the ability to answer thousands of small-talk questions in a voice that fits your brand. When you add chit-chat to your knowledge base by selecting a personality below, the questions and responses will be automatically added to your knowledge base, and you'll be able to edit them anytime you want. [Learn more about chit-chat.](#)

None

Professional

Friendly

Witty



ChatBot using Microsoft Azure Portal

The screenshot shows the 'Create a knowledge base' page in Microsoft QnA Maker. It features a 'Chit-chat' section with personality options: None, Professional, Friendly, **Witty**, Caring, and Enthusiastic. Below this is a 'STEP 5 Create your KB' section with a 'Create your KB' button.



ChatBot using Microsoft Azure Portal

The screenshot shows the 'Knowledge base' page for 'Pankaj-kb-demo (Publisher)'. It displays 92 QnA pairs. The first pair is: Question: 'What is your name?', Answer: 'Pankaj'. The second pair is: Question: 'Where do you live?', Answer: 'Delhi'. The third pair is: Question: 'What is full form of RDM?', Answer: 'Read only memory'.



ChatBot using Microsoft Azure Portal

The screenshot shows the 'Knowledge base' page for 'Pankaj-kb-demo (Publisher)' with 93 QnA pairs. A new pair is being added: Question: 'india capital?', Answer: 'Delhi'. The interface includes a rich text editor for the answer.



ChatBot using Microsoft Azure Portal

Knowledge base

Search the KB 94 QnA pairs + Add QnA pair View options

Enable rich editor

Question	Answer
Source: Editorial	Enter an answer
India capital?	Delhi
What is your name?	Pankaj



ChatBot using Microsoft Azure Portal

Knowledge base

Search the KB 94 QnA pairs + Add QnA pair View options

Enable rich editor

Question	Answer
Which company do you work in?	I don't want to tell you
India capital?	Delhi
What is your name?	Pankaj
Where do you live?	Delhi



ChatBot using Microsoft Azure Portal

Knowledge base

Search the KB 94 QnA pairs + Add QnA pair View options

Enable rich editor

Question	Answer
Which company do you work in?	I don't want to tell you
India capital?	Delhi



ChatBot using Microsoft Azure Portal

Microsoft Cognitive Services | QnA Maker | My knowledge bases | Create a knowledge base

Pankaj-kb-demo (Publisher) | EDIT | PUBLISH | SETTINGS | Save and train | Test

Enable multi-turn extraction from URLs, pdf or docx files. [Learn more.](#)

URL:

+ Add URL

File name: Bot-Kb-demo.xlsx

Editorial: + Add file

Export knowledge base

You may export QnAs, Synonyms or the entire KB replica. You can choose between excel and txt file formats. [Learn more.](#)

28°C Haze | 22:37 | 19-06-2022



ChatBot using Microsoft Azure Portal

Microsoft Cognitive Services | QnA Maker | My knowledge bases | Create a knowledge base

Pankaj-kb-demo (Publisher) | EDIT | PUBLISH | SETTINGS | Save and train | Test

Enable multi-turn extraction from URLs, pdf or docx files. [Learn more.](#)

URL:

+ Add URL

File name: Bot-Kb-demo.xlsx

Editorial: + Add file

Export knowledge base

You may export QnAs, Synonyms or the entire KB replica. You can choose between excel and txt file formats. [Learn more.](#)

Published KB: Start over

What is your name? | Inspect | You

Pankaj

Pankaj-kb-demo (Test) at 10:37 PM

Where do you live? | Inspect | You

Delhi

Pankaj-kb-demo (Test) at 10:37 PM

Full form of RAM? | Inspect | You

Read only memory

Pankaj-kb-demo (Test) at 10:37 PM

Which company do I work for?

28°C Haze | 22:38 | 19-06-2022



ChatBot using Microsoft Azure Portal

Microsoft Cognitive Services | QnA Maker | My knowledge bases | Create a knowledge base

Success! Your service has been deployed. What's next?

You can always find the deployment details in your service's settings.

[Create Bot](#)

[View all your bots on the Azure Portal.](#)

Use the below HTTP request to call your Knowledgebase. [Learn more.](#)

Postman | Curl

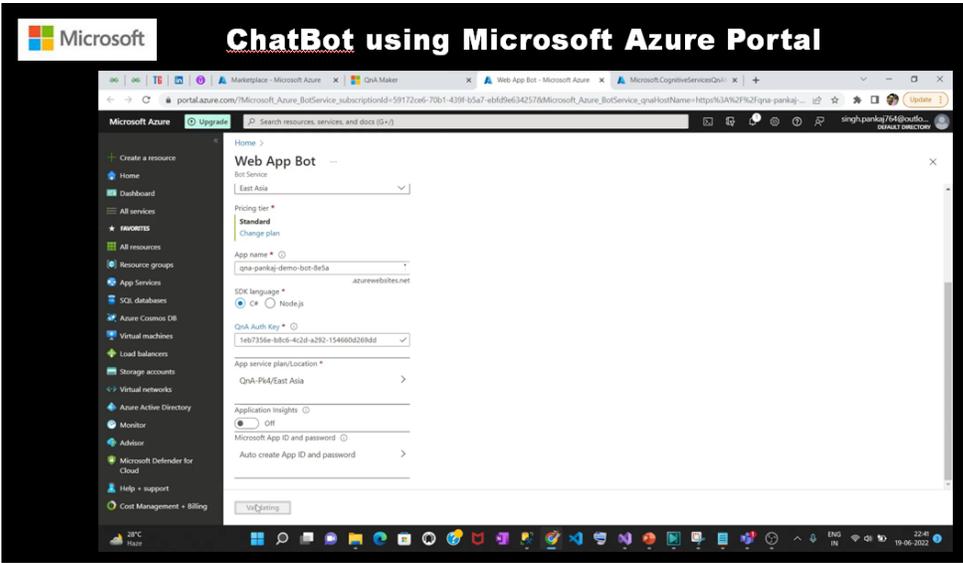
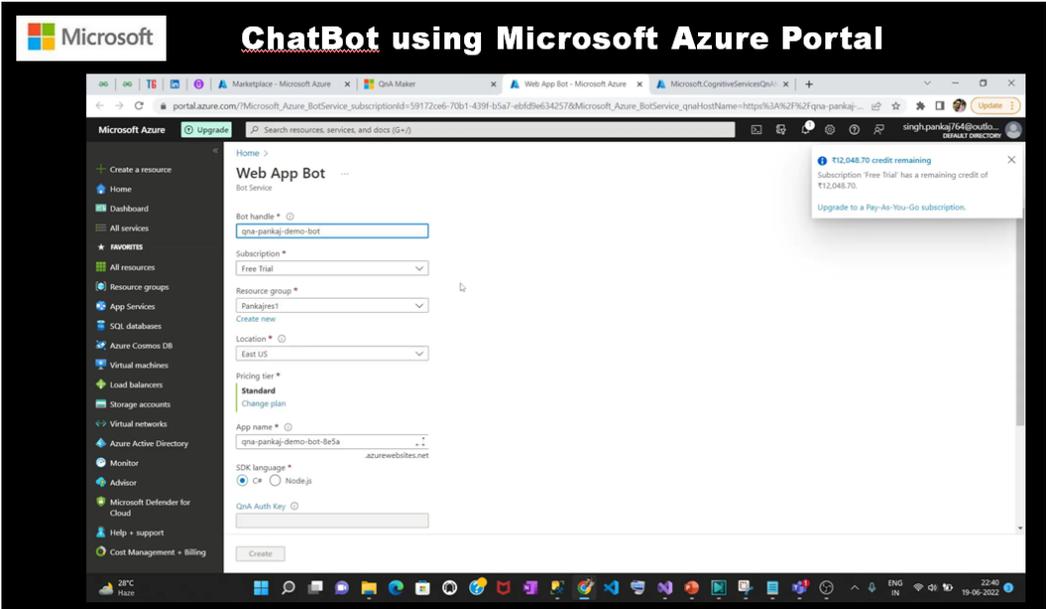
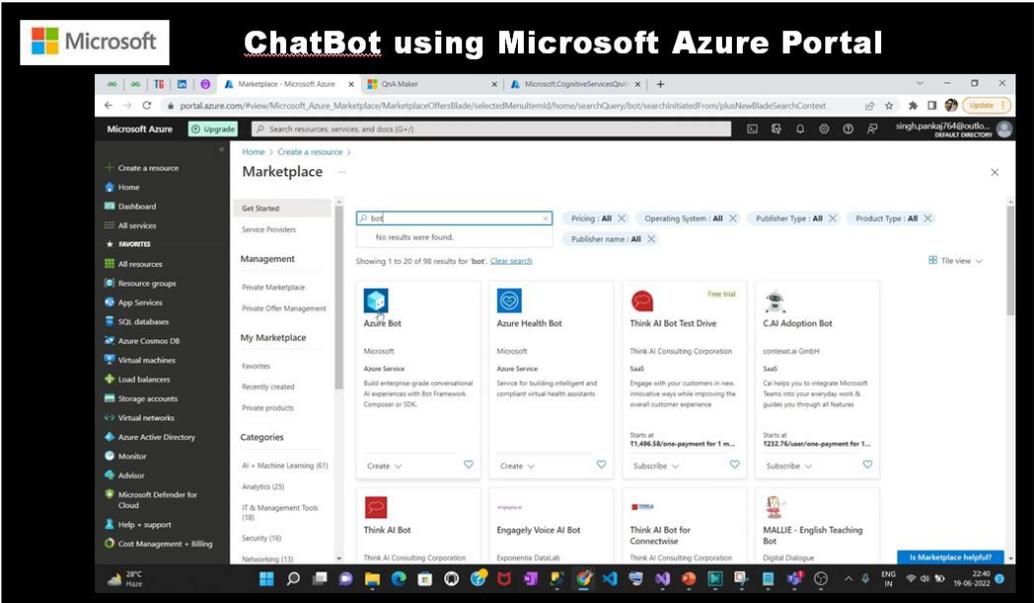
```
POST /knowledgebase/503798e-74ae-4740-86b5-eb75905d0c38/generateAnswer
Host: https://qna-pankaj-demo.azurewebsites.net/qnamaker
Authorization: EndpointKey 16b7356e-bb66-4c2d-a292-154660d269dd
Content-Type: application/json
{"question": "<your question>"} |
```

Need to fine-tune and refine? Go back and keep editing your service.

[Edit Service](#)

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28°C Haze | 22:38 | 19-06-2022





ChatBot using Microsoft Azure Portal

The screenshot shows the Microsoft Azure Portal interface. The main content area displays the 'Overview' page for a resource named 'qna-pankaj-demo-bot_csharp_qnav4_sdk_a2b'. A green checkmark indicates that the deployment is complete. The deployment details show the name 'qna-pankaj-demo-bot_csharp_qnav4_sdk_a2b', the start time '6/19/2022, 10:41:41 PM', and the correlation ID '1f73a9f-ec23-436b-84ee-a20235443ba'. The 'Next steps' section includes a 'Go to resource' button. On the right side, there are panels for 'Cost Management' and 'Microsoft Defender for Cloud'. The left sidebar shows the navigation menu with options like 'Create a resource', 'Dashboard', and 'All services'.



ChatBot using Microsoft Azure Portal

The screenshot shows the Microsoft Azure Portal interface. The main content area displays the 'Test in Web Chat' page for the resource 'qna-pankaj-demo-bot'. The page is titled 'Web App Bot' and shows various settings and monitoring options. The 'Settings' section includes 'Bot profile', 'Configuration', 'Channels', 'Channels (deprecated)', 'Pricing', 'Test in Web Chat', 'Encryption', 'Properties', 'Locks', and 'Monitoring'. The 'Monitoring' section includes 'Conversational analytics', 'Alerts', 'Metrics', 'Diagnostic settings', and 'Logs'. The left sidebar shows the navigation menu. At the bottom, there is a status bar indicating 'Waiting for qna-pankaj-demo-bot-86fa.com.azurewebsites.net...'.



ChatBot using Microsoft Azure Portal

The screenshot shows the Microsoft Azure Portal interface. The main content area displays the 'Test in Web Chat' page for the resource 'qna-pankaj-demo-bot'. The page is titled 'Web App Bot' and shows a 'Test' interface. The interface includes a 'Start over' button and a chat window. The chat window shows a message 'Hello and Welcome' and a response 'Hi'. Below the chat window, there is a message 'No good match found in KB.' and a text input field with the placeholder 'Type your message'. The left sidebar shows the navigation menu.



ChatBot using Microsoft Azure Portal

The screenshot shows the Microsoft Azure Portal interface for a bot named 'qna-pankaj-demo-bot'. The 'Channels' section is expanded, displaying a list of available channels:

Channel	Description
Direct Line Speech	Direct Line Speech Channel
Direct Line	REST API for communicating directly with a bot
Email	O365 Email Channel
Facebook	Support for Text Messaging via Facebook
GroupMe	GroupMe Channel
LINE	Support for LINE Channel
Microsoft Teams	Microsoft Teams Channel
Omnicommand	Omnicommand Channel
Outlook	Outlook Channel
Skype	Skype Channel
Slack	Slack Channel
Telegram	Telegram Channel



ChatBot using Microsoft Azure Portal

The screenshot shows the Microsoft Azure Portal interface for a bot named 'qna-pankaj-demo-bot'. The 'Channels' section is expanded, displaying a table of connected channels:

Channel	Health status	Details	Actions
Microsoft Teams	Healthy	Microsoft Teams Channel	Open in Teams
Web Chat	Healthy	Embeddable Web Chat control	

Below the table, there is an 'Available Channels' section with a list of channels that can be added:

Channel	Details
Alexa	Alexa Channel
Direct Line Speech	Direct Line Speech Channel
Direct Line	REST API for communicating directly with a bot
Email	O365 Email Channel



ChatBot using Microsoft Azure Portal

The screenshot shows the Microsoft Azure Portal chat interface for a bot named 'qna-pankaj-demo-bot'. The chat history shows the following messages:

- qna-pankaj-demo-bot: Hello and Welcome
- Pankaj: i don't want to tell you
- qna-pankaj-demo-bot: Read only memory
- qna-pankaj-demo-bot: Delta
- qna-pankaj-demo-bot: I don't want to tell you
- 22:47: ROM full form?
- 22:47: capital of India?
- 22:47: Which company do I work?

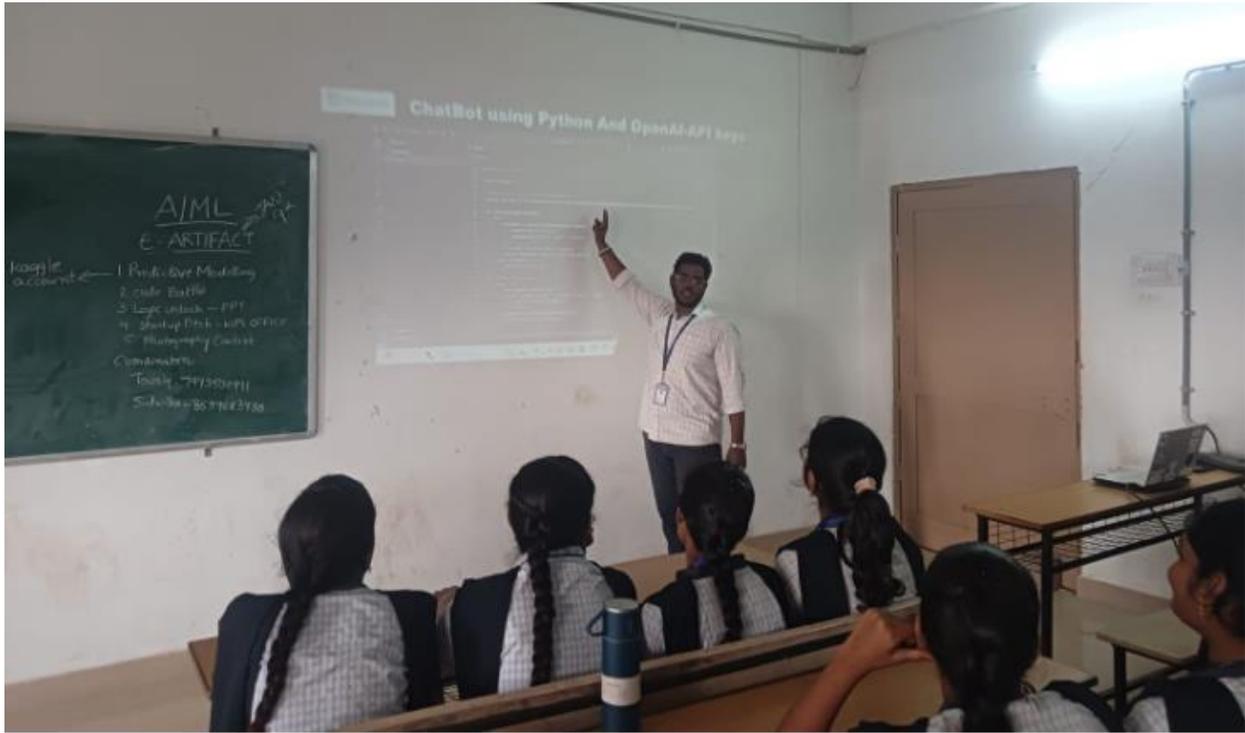


ChatBot using Python And OpenAI-API keys

```
22 # pip install openai
23
24 import openai
25
26 # Replace with your actual OpenAI API key
27 openai.api_key = "sk-proj-6K9ZmpI0Trsxe1arCOPHEKE4cTcFxpU0-GAGH1RHGndk6pTFP942k8mvXQaeHqN4FkZcdL1k9NT3B1bb"
28
29
30 def chat_with_gpt(prompt):
31     try:
32         response = openai.ChatCompletion.create(
33             model="gpt-3.5-turbo",
34             messages=[{"role": "user", "content": prompt}]
35         )
36         # Extract the assistant's response
37         return response["choices"][0]["message"]["content"].strip()
38     except Exception as e:
39         return f"Error: {e}"
40
41 if __name__ == "__main__":
42     while True:
43         user_input = input("You: ")
44         if user_input.lower() in ["quit", "exit", "bye"]:
45             print("Chatbot: Goodbye!")
46             break
47         response = chat_with_gpt(user_input)
48         print("Chatbot:", response)
49
```

Event Photos:







PRAGATI ENGINEERING COLLEGE (Autonomous)

DEPARTMENT OF CSE (Artificial Intelligence & Machine Learning)

PEC / Admin / Circular / 2024 / Turing CLUB

Date: 20-11-2024.

All the staff, Pragati Turing club coordinators, Second and Third year Students are informed that a seminar on “**AI BoT APPLICATION**” is being organized by Turing club in association with career Guidance cell. The details are given below.

Date: 22-11-2024

Time: 2:00 PM to 3:30 PM

Venue: CS-8

Faculty Co-coordinator: Mrs.L.Yamuna

Student Co-Ordinator: J.Satwik (III -year CSE (AI&ML)-21A31A42B3)
C.Priya (III-year CSE (AI&ML)-21A31A4205)

Speaker: Thanoosh K (IV-year CSE (AI&ML)-21A31A4239)

Faculty coordinator

HoD-CSE(AI&ML)

Copy to:

- 1) Chairman /All Directors / Vice President for kind information.
- 2) Vice Principal/Dean T&P for information.
- 3) All HODs are requested to circulate among your staff members.
- 4) Convener-Career Guidance cell
- 5) Office File.



Pragati Engineering College

(Autonomous)

(Approved by AICTE, Permanently affiliated to JNTUK, Kakinada & Accredited by NBA & NAAC with 'A' Grade)

INDUSTRY 4.0 CLUB TURING CLUB

OF CSE AIML DEPARTMENT IN ASSOCIATION WITH CAREER GUIDANCE
ORGANIZES

AI Bot Application



Tanoosh K
21A31A4239
CSE-AIML-A
IV year



Student Coordinator:-
J.Satwik(21A31A42B3)
C.Priya(21A31A4205)

Date:- 22-11-2024

VENUE:- AT LAB

TIME:- 2:00PM-3:30PM

Faculty Coordinator:-

Mrs.L.Yamuna