

# AI Student Developer Conference 2024

*Vincent Kok, Technical Trainer  
Jun Jia Ang (JJ), Learning Manager*





*"Get Inspired, Make Great Things Happen!"*

# VINCENT KOK

Technical Trainer at Microsoft

- Singapore 
- **Focus Areas:** AI Robotics, Internet of Things, Cloud Computing



MAKE THINGS  
HAPPEN!

Connect on **LinkedIn**



LinkedIn: <http://aka.ms/vincekok>

Contact: [vincentkok@microsoft.com](mailto:vincentkok@microsoft.com)

Microsoft Learn. Spark possibility.





# Jun Jia Ang (JJ)

Sr Learning Manager at Microsoft

- Singapore 
- **Focus Areas:** Skilling, Enablement, Diversity & Inclusion



# Agenda

Getting started with Azure OpenAI

Integrating Azure OpenAI into your applications

Azure OpenAI Use Cases Demo

Copilots

Code; Without Barriers





# The AI technology is here

≡ Forbes

FORBES > INNOVATION > ENTERPRISE & CLOUD

## What ChatGPT And Generative AI Mean For Your Business

CNN BUSINESS.

Real estate agents say they can't imagine working without ChatGPT now

VentureBeat

## Microsoft gives businesses a GPT boost in Teams and Viva Sales

USA TODAY

New Bing with ChatGPT brings the power of AI to Microsoft's signature search engine

COMPUTERWORLD UNITED STATES ▾

NEWS

Microsoft's new Teams Premium tier integrates with OpenAI's GPT-3.5

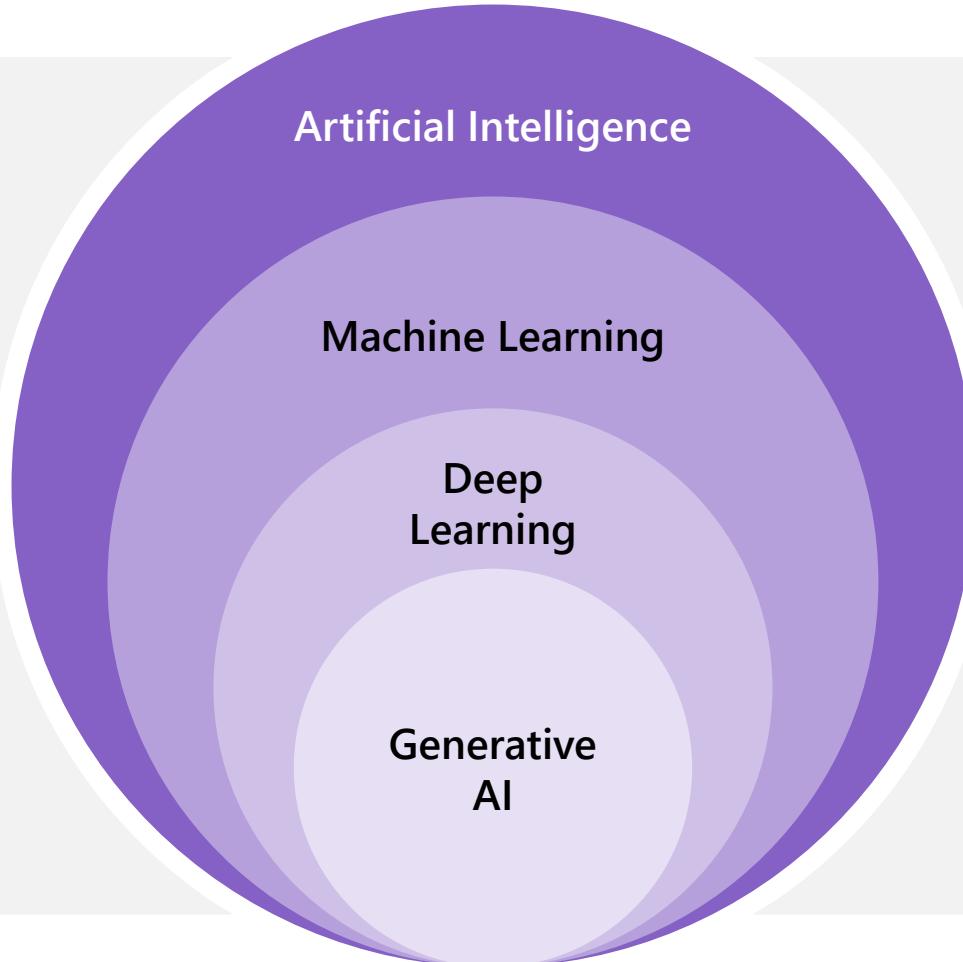
Weeks after extending its multibillion dollar partnership with OpenAI, Microsoft has announced that new Teams AI capabilities will be underpinned by OpenAI's GPT-3.5 natural language model.

The Verge

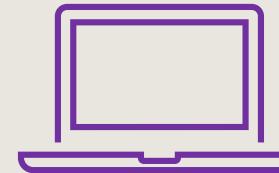
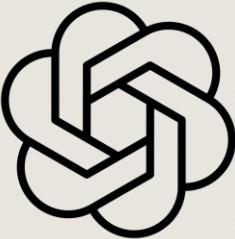
MICROSOFT / TECH / ARTIFICIAL INTELLIGENCE

Microsoft launches Azure OpenAI service with ChatGPT coming soon / ChatGPT is coming to this Azure service soon, as businesses get to use new AI models in their own apps.

# The journey continues with generative AI



- |             |  |
|-------------|--|
| <b>1956</b> | <b>Artificial Intelligence</b><br>The field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence. |
| <b>1997</b> | <b>Machine Learning</b><br>Subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions.     |
| <b>2012</b> | <b>Deep Learning</b><br>A machine learning technique in which layers of neural networks are used to process data and make decisions.                       |
| <b>2021</b> | <b>Generative AI</b><br>Create new written, visual, and auditory content given prompts or existing data.   |

**Step 1**

Apply for access:

<https://aka.ms/oai/access>

**Step 2**

Create an Azure OpenAI Service  
resource in the Azure portal

**Step 3**

Use Azure OpenAI Studio  
<https://oai.azure.com/>

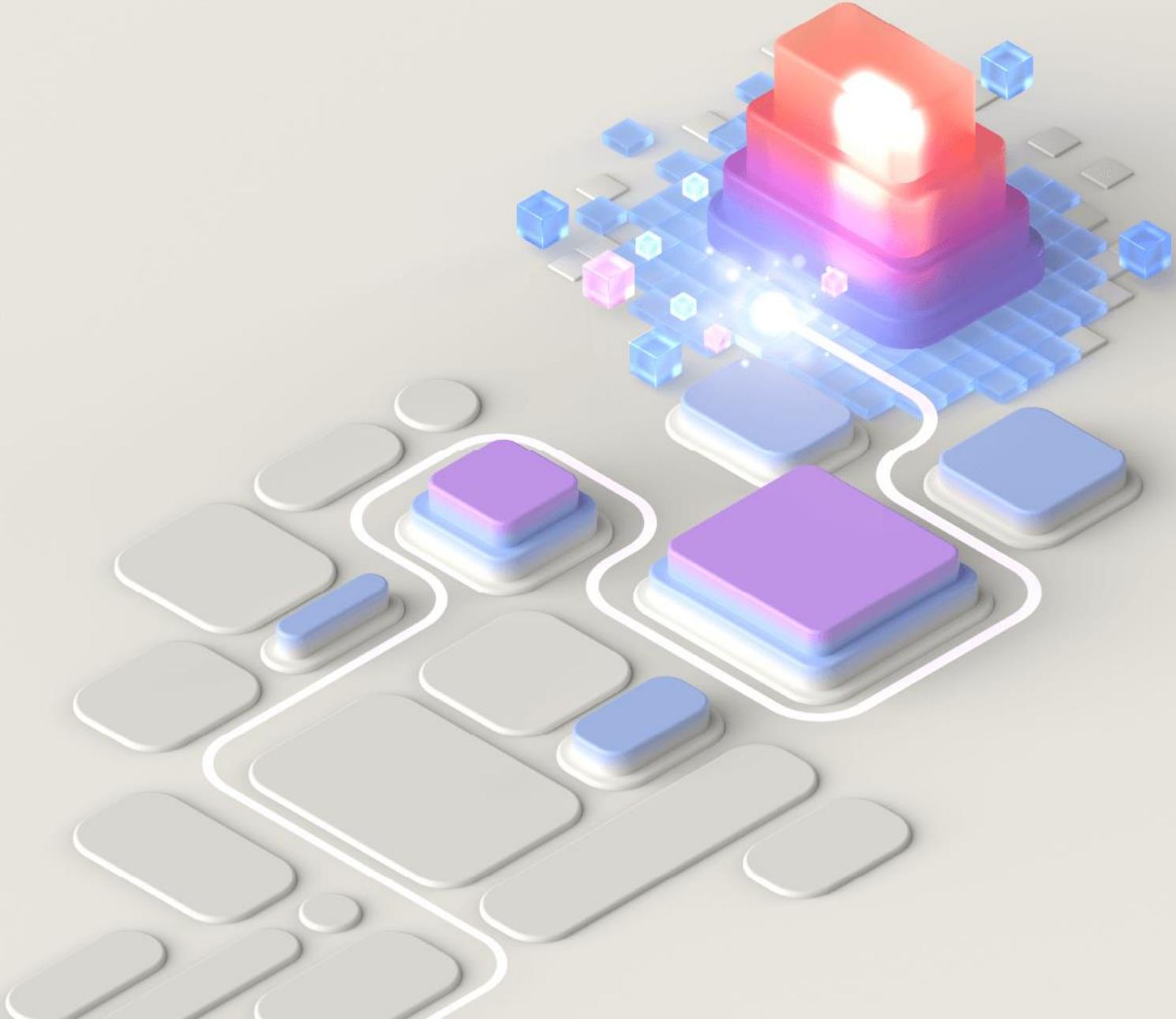
**Step 4**

Deploy base models

***Anyone can get started\*!***

\*as long as you have Azure subscription approved for Azure OpenAI

# Let's try it out!





Home > Azure AI services | Azure OpenAI >

## Create Azure OpenAI ...

Basics Network Tags Review + submit

Enable new business solutions with OpenAI's language generation capabilities powered by GPT-3 models. These models have been pretrained with trillions of words and can easily adapt to your scenario with a few short examples provided at inference. Apply them to numerous scenarios, from summarization to content and code generation.

[Learn more](#)

### Project Details

Subscription \* ⓘ

ME-MngEnv418615-vincentkok

Resource group \* ⓘ

aisdc24

[Create new](#)

### Instance Details

Region ⓘ

Australia East

Name \* ⓘ

aisdc-2024

Pricing tier \* ⓘ

Standard S0

[View full pricing details](#)

### Content review policy

To detect and mitigate harmful use of the Azure OpenAI Service, Microsoft logs the content you send to the Completions and image generations APIs as well as the content it sends back. If content is flagged by the service's filters, it may be reviewed by a Microsoft full-time employee.

[Previous](#)

[Next](#)

# Create an Azure OpenAI Service resource



Azure AI | Azure OpenAI Studio

Azure AI Studio PUBLIC PREVIEW

Presenting the new Azure AI Studio (Preview)

Build, evaluate, and deploy your AI solutions from end to end.

Explore Azure AI Studio

Azure OpenAI Studio > Chat playground

Chat playground

Privacy & cookies Deploy to Import setup Export setup Show panels

Setup

Prompt Add your data

Apply changes

Use a system message template

Using templates

Select a template

System message

You are an AI assistant that helps people find information.

Examples

Using examples

Add examples to show the chat what responses you want. It will try to mimic any responses you add here so make sure they match the rules you laid out in the system message.

+ Add

Clear chat Playground settings View code Show JSON

Start chatting

Test your assistant by sending queries below. Then adjust your assistant setup to improve your assistant's responses.

Type user query here. (Shift + Enter for new line)

Configuration

Deployment Parameters

Deployment \*

gpt4-turbo

Session settings

Past messages included 10

Current token count

Input tokens progress indicator 11/128000

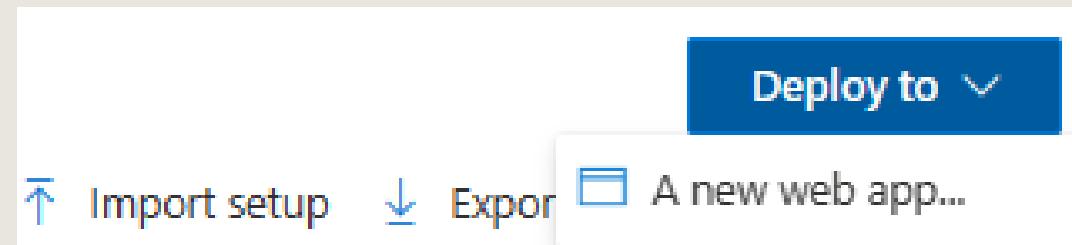
The screenshot shows the Azure AI Studio interface with the 'Chat' playground selected. On the left, there's a sidebar with various AI services like Azure OpenAI, Chat, Completions, DALL-E, Assistants (Preview), Deployments, Models, Data files, Quotas, and Content filters (Preview). The main area has tabs for 'Setup' (selected) and 'Configuration'. Under 'Setup', there are sections for 'Prompt' (with 'Add your data' and 'Apply changes' buttons), 'System message' (containing the text 'You are an AI assistant that helps people find information.'), and 'Examples' (with a 'Using examples' section and a '+ Add' button). The 'Configuration' tab includes deployment parameters (set to 'gpt4-turbo'), session settings (past messages included 10), and token counts (current 11/128000). A central text input field at the bottom is labeled 'Type user query here. (Shift + Enter for new line)'. The top navigation bar includes links for Azure AI and Azure OpenAI Studio, and icons for notifications, settings, help, and sign-in.

# Azure OpenAI Studio's playgrounds



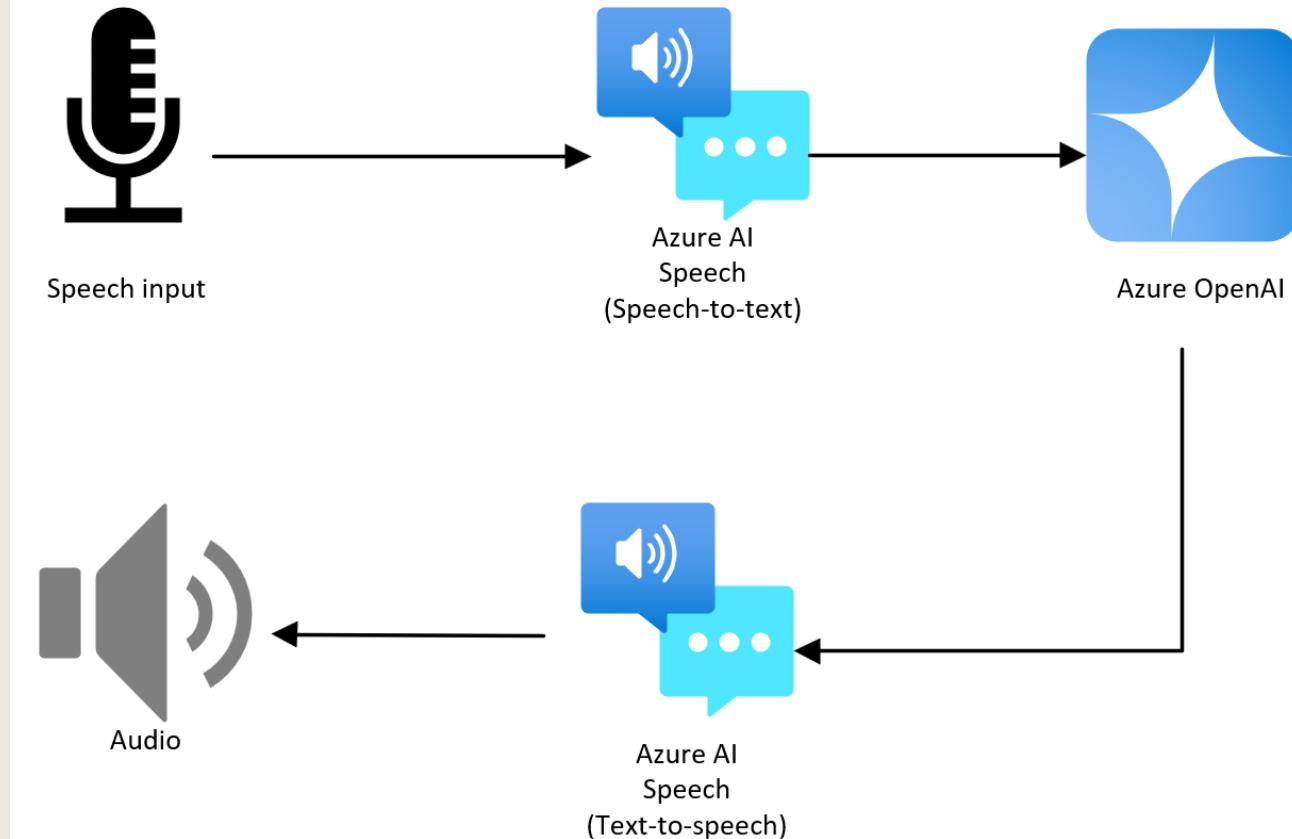
Models	Description
GPT-4 Turbo <small>NEW</small>	The latest most capable Azure OpenAI models with multimodal versions which can accept both text and images as input.
GPT-4	A set of models that improve on GPT-3.5 and can understand and generate natural language and code.
GPT-3.5	A set of models that improve on GPT-3 and can understand and generate natural language and code.
Embeddings	A set of models that can convert text into numerical vector form to facilitate text similarity.
DALL-E	A series of models that can generate original images from natural language.
Whisper	A series of models in preview that can transcribe and translate speech to text.
Text to speech (Preview)	A series of models in preview that can synthesize text to speech.

# Azure OpenAI Models



# Deploy a Web App

# Azure OpenAI Speech to Speech chat



## Integration - Speech to speech chat

# Speak with Confidence: Master English Pronunciation with Vincent



Learn Pronunciation

Enter Reference Text here...

Get Tongue Twister

Record

Please allow the use of your microphone.



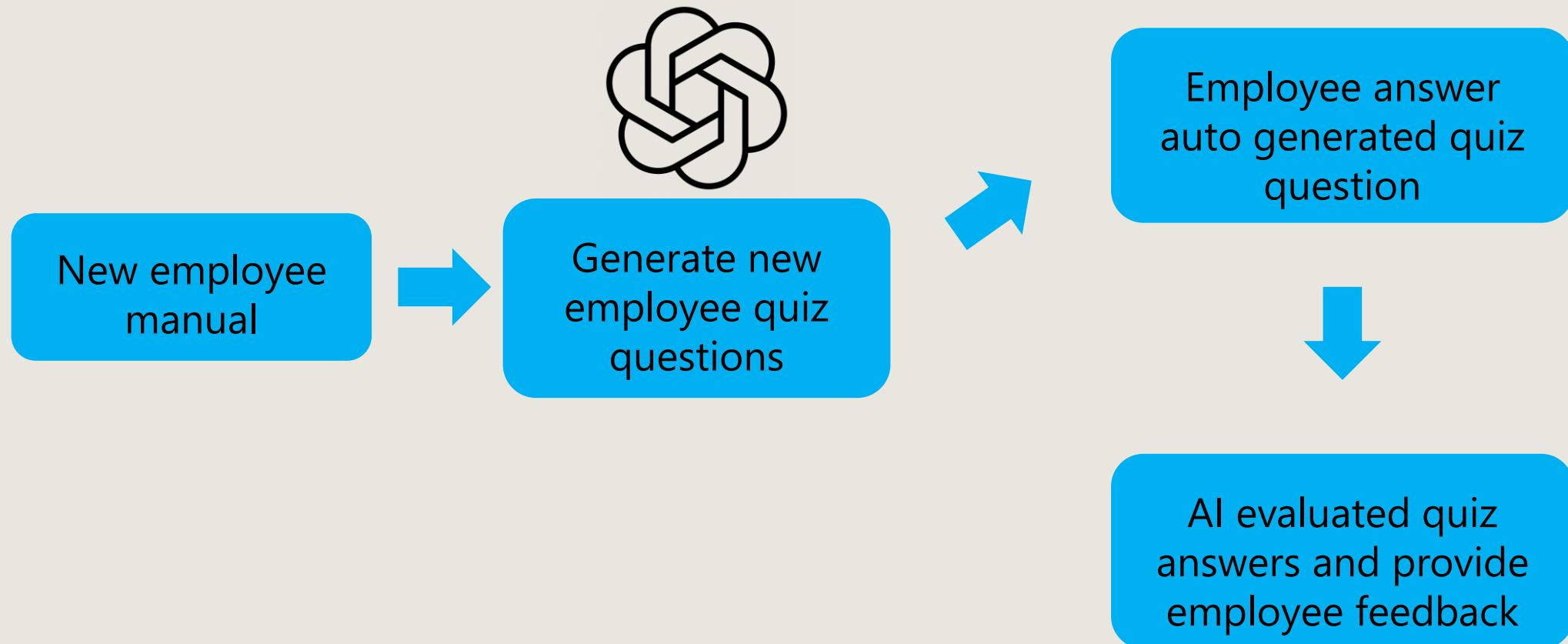
<https://learningapp123.azurewebsites.net/>

## Integration– Pronunciation Assessment

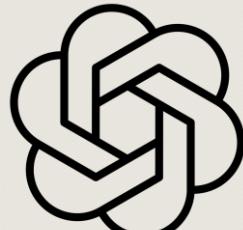
# Scenario



*Leverage the power of GPT models to train new employees*



## GPT Based New Employee Training







## Dynamic Training

Training of new employees can be a costly endeavor. This demonstration uses GPT-4 to generate a quiz question for a new employee, given a manual excerpt. The employee can then answer the quiz question, and the AI will evaluate the answer and provide feedback. This can be used to train new employees on the job, and to evaluate their understanding of the material.

Note that the manual excerpt is shown here for demonstration purposes, but in a real-world application, the manual excerpt would be hidden from the employee. You are also not limited to one short excerpt; code can iterate over a manual or group of documents and generate many questions on the material.

System Message (Generate Quiz)

System Message (Evaluate Quiz)

Excerpt from manual

SOME DO'S AND DON'TS OF GOOD FRYING PRACTICES

FRYING DO'S

1. Make sure kettles are clean.
2. Make sure thermostats are registering and functioning properly.
3. Fill kettles only to proper frying level, which is 2% above the tubes when the frying fat is at frying temperature. A fry level line is stamped on the tank.
4. Maintain proper level of frying fat in the kettle by occasional additions of fresh fat as the kettle fries down.
5. Keep heating tubes covered at all times when heat is on.
6. Fry at temperatures in the range of 325°F to 375°F.
7. Turn heat in the kettles to 200°F, or preferable off between frying periods, or during any periods of time when this is practical.
8. Fry foods in amounts only up to a full kettle load; a full kettle loading being the point where the temperature recovers to the dial setting and the thermostat turns off the burner before the food is completely fried or done.
9. Remove food baskets from kettle as soon as food is done, allowing food to drain over kettle a minimum of 30 seconds.
10. Keep fat as clean as possible at all times, removing immediately any floating burned particles.
11. Make sure baskets are sound and don't leak food into kettle.
12. Drain kettle, filter fat and remove all residue from cold zone at least once daily. Boil out kettle and baskets with detergent at least once a week, scraping off any foreign materials not yielding to the treatment. Rinse kettle several times by filling with fresh water and bring to boil. Follow procedure under "MAINTENANCE" section.
13. Keep kettle covered when not in use.

AI-generated quiz question

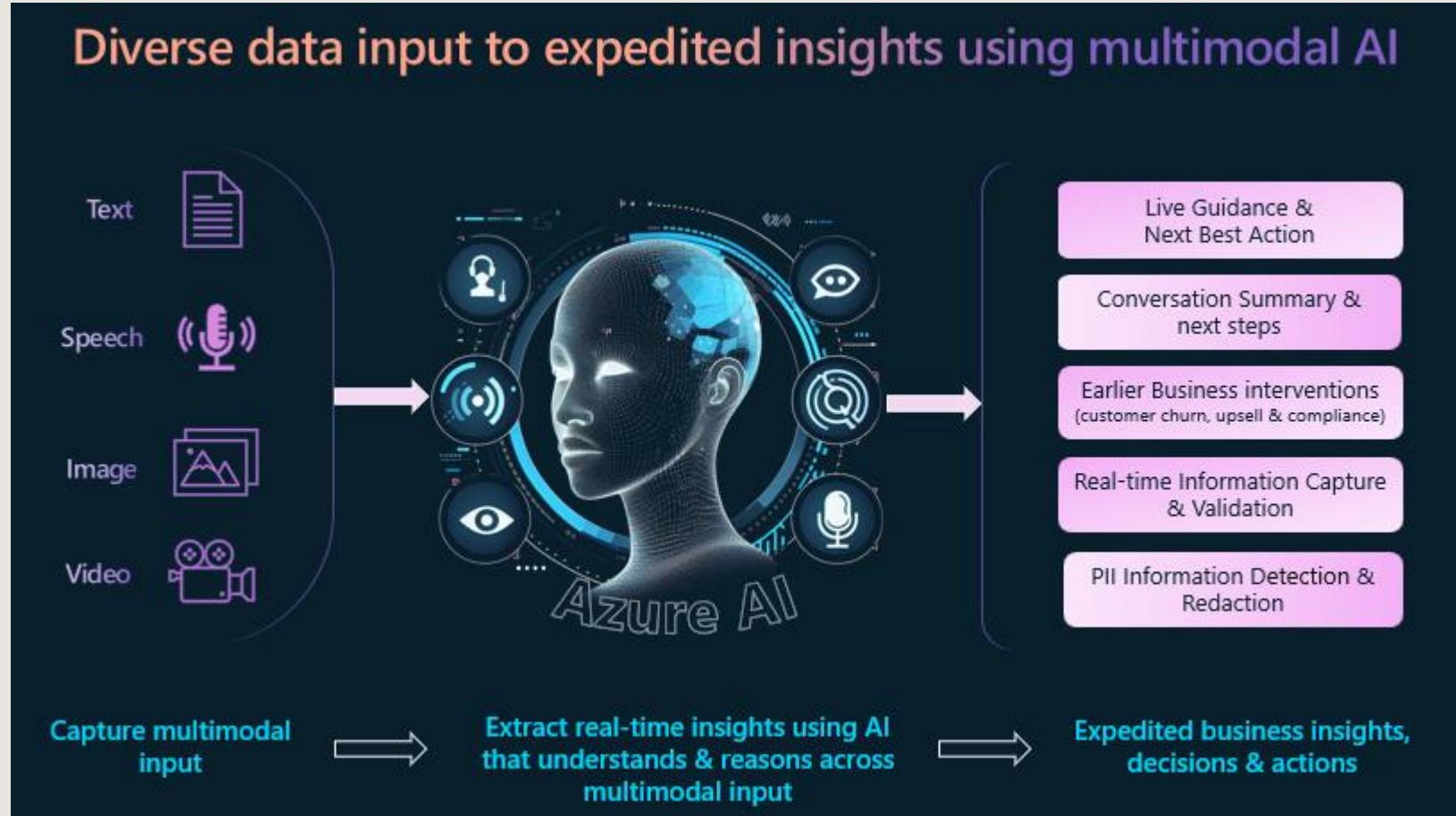
Your answer

Check Answer

AI-generated assessment

Generate Quiz Question

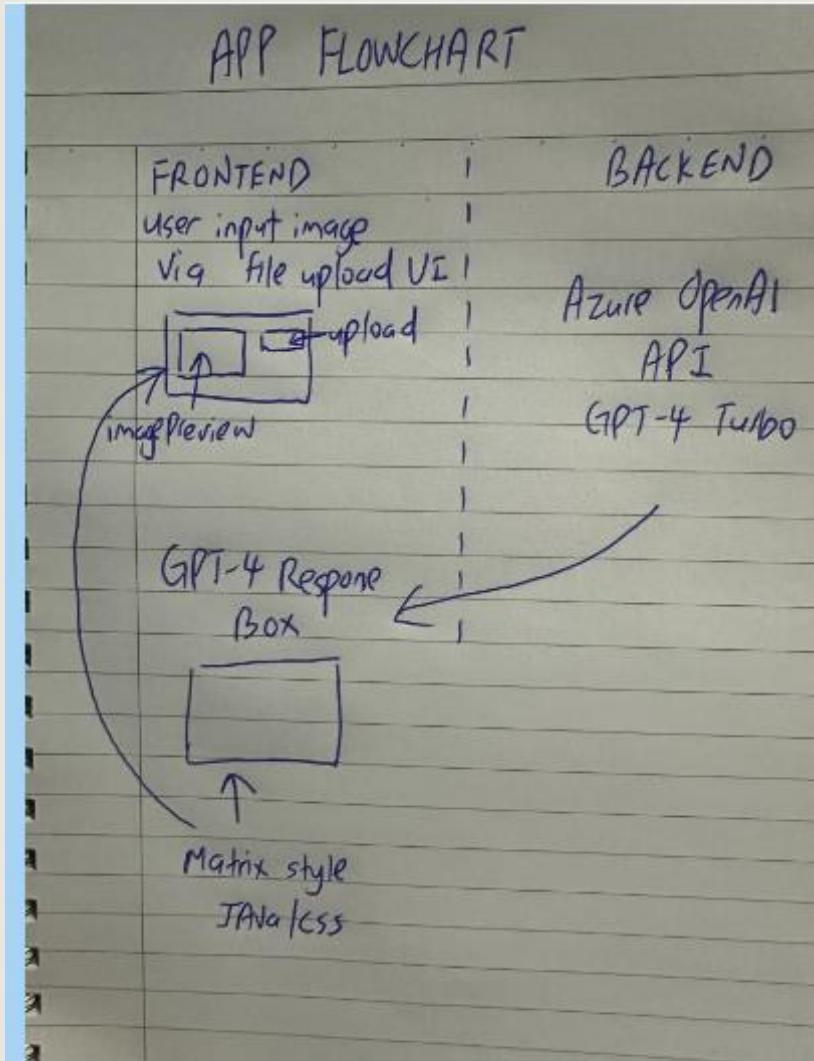
<https://gpttraining0416.azurewebsites.net/>



# Conversation Copilot with Multimodal Azure AI



# GPT-4 Vision



You are a fullstack software dev. You are expert in Python, flask and JavaScript. The user has uploaded a flowchart of a simple app he needs. Can you create the full code for Python flask app with the HTML, JavaScript and relevant CSS? It is using Azure OpenAI



# GPT-4 Vision (continue...)

## 1. Flask Backend:

Here's a simplified version of what your Flask app `app.py` might look like:

```
from flask import Flask, request, jsonify, render_template
import requests

app = Flask(__name__)

@app.route('/')
def home():
    return render_template('index.html')

@app.route('/upload', methods=['POST'])
def upload_file():
    if request.method == 'POST':
        file = request.files['file']
        # Here you would normally save the file and do some processing
        # For simplicity, I'm going to just send a request to the Azure OpenAI API

        # Assuming 'file' is an image, you'll need to handle this accordingly
        # This is a placeholder for the actual API call
        # response = some_azure_openai_api_call_function(file)

        # For now, let's just return a dummy response
    return jsonify({"response": "GPT-4 response would be here"})

if __name__ == '__main__':
    app.run(debug=True)
```

# GPT-4 Vision (continue...)

## 2. HTML Frontend ([templates/index.html](#)):

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>App Flowchart</title>
    <link rel="stylesheet" href="/static/style.css">
    <script src="/static/script.js"></script>
</head>
<body>
    <div id="content">
        <form id="upload-form" method="post" enctype="multipart/form-data">
            <input type="file" name="file" id="file-upload" onchange="previewFile()">
            <input type="submit" value="Upload Image" name="submit">
            
        </form>
        <div id="response-box"></div>
    </div>
</body>
</html>
```

# GPT-4 Vision (continue...)

## 3. JavaScript ([static/script.js](#)):

```
function previewFile() {
    const preview = document.getElementById('image-preview');
    const file = document.getElementById('file-upload').files[0];
    const reader = new FileReader();

    reader.addEventListener("load", function () {
        preview.src = reader.result;
    }, false);

    if (file) {
        reader.readAsDataURL(file);
    }
}

// Handle the form submission
document.getElementById('upload-form').addEventListener('submit', function(e) {
    e.preventDefault();
    const formData = new FormData(this);

    fetch('/upload', {
        method: 'POST',
        body: formData
    })
    .then(response => response.json())
    .then(data => {
        document.getElementById('response-box').innerText = data.response;
    })
    .catch(error => {
        console.error('Error:', error);
    });
});
```

## 4. CSS ([static/style.css](#)):

```
/* Quick reset for common elements */
body, div, form, input, img {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

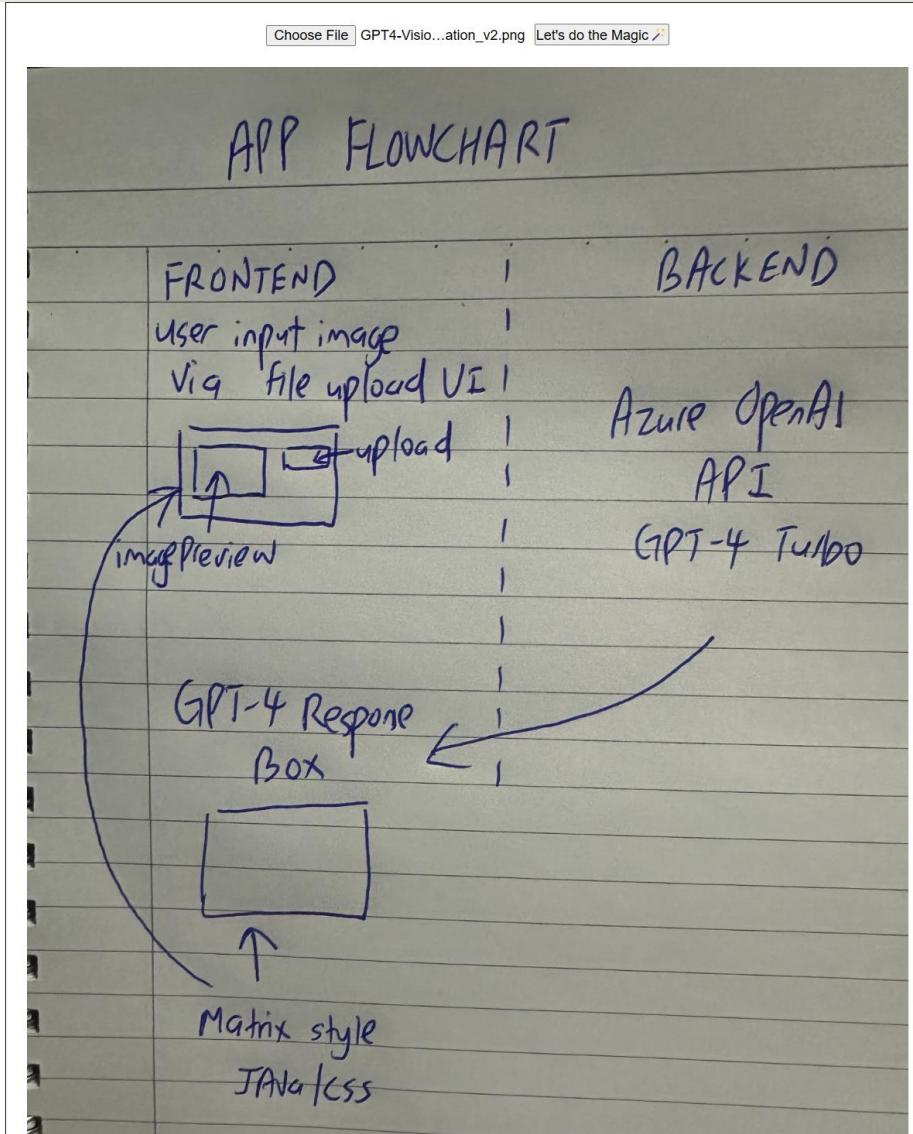
#content {
    margin: auto;
    width: 50%;
    border: 1px solid #000;
    padding: 20px;
    text-align: center;
}

#image-preview {
    width: 100%;
    height: auto;
    margin-top: 20px;
}

#response-box {
    margin-top: 20px;
    border: 1px solid #000;
    padding: 10px;
    min-height: 50px;
}
```



# GPT-4 Vision Result



# Recap – What have we discussed so far?

- ✓ How do we create the Azure OpenAI Resources
- ✓ Explore the Azure OpenAI Studio for base model deployment
- ✓ Explore the REST API and SDK to integrate with application
- ✓ Cool Use Cases

and we **able to build** a minimum viable product for the company Contoso to train their new employees with using Azure OpenAI services, **isn't that cool?**



## Copilot (Bing Chat)



interaction with  
web content

[Copilots  
for Web](#)

## Copilot for M365



Word, Outlook, Excel,  
PowerPoint, Teams

[Copilot  
for Productivity](#)

## Copilot in Windows



interaction with OS,  
apps, and files

[Copilot  
for Everyday](#)

## Designer



digital creations

[Copilot  
for Creativity](#)

## Azure



Azure platform operations  
and optimizations

[Copilot  
for Cloud](#)

## Fabric Copilot



data analytics and  
business intelligence

[Copilots  
for Analytics](#)

## Power BI



Unlock your insights

## Security Copilot



threat detection,  
identification, and mitigation

## Dynamics Copilot



sales and customer  
support

## GitHub Copilot



code development

[Copilot  
for Development](#)

## Power Platform



creation of apps,  
and workflows

[Copilot  
for Low/No Code  
Development](#)

## Copilot Studio



creation of your agents

[Extend your  
Copilot for M365](#)

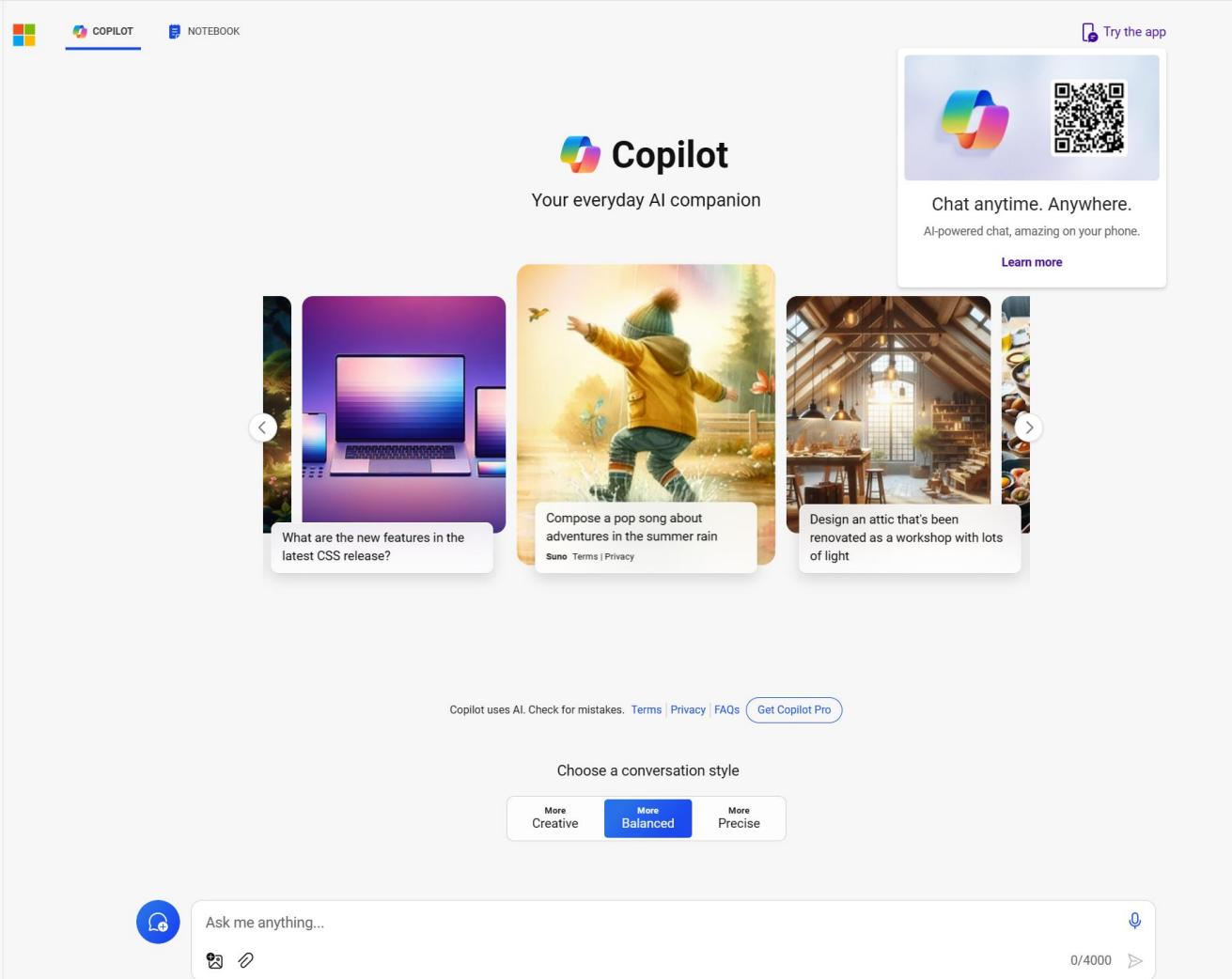
## Custom Copilot



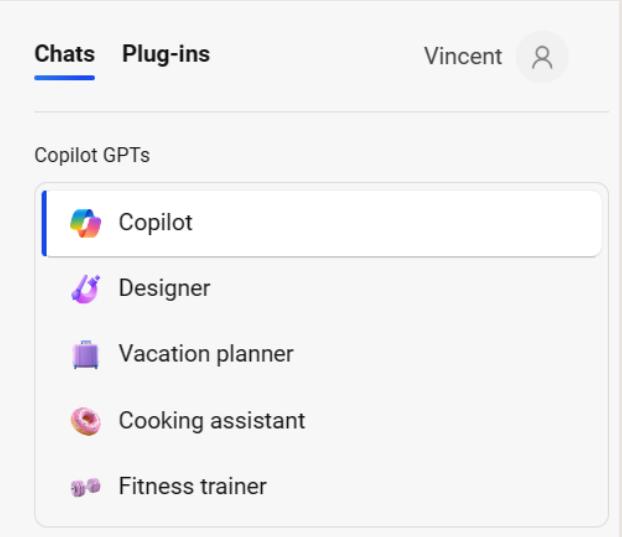
Create your  
own copilot

[AI Platform](#)

# Copilot for Web



The image shows the Copilot for Web homepage. At the top, there's a navigation bar with the Microsoft logo, 'COPilot' (which is underlined), and 'NOTEBOOK'. Below the navigation is the Copilot logo with the tagline 'Your everyday AI companion'. There are three main cards: 1) A card with a laptop and the text 'What are the new features in the latest CSS release?'. 2) A card with a child playing in the rain and the text 'Compose a pop song about adventures in the summer rain'. 3) A card with a workshop interior and the text 'Design an attic that's been renovated as a workshop with lots of light'. To the right, there's a 'Try the app' button with a QR code and a 'Learn more' link. At the bottom, there's a section for choosing a conversation style ('More Creative', 'More Balanced', 'More Precise') and a text input field with a placeholder 'Ask me anything...' and a microphone icon.



The image shows the 'Chats' tab of the Copilot interface. It displays a list of Copilot GPTs: Copilot (selected), Designer, Vacation planner, Cooking assistant, and Fitness trainer. Each item has a small icon next to it. On the right, there's a user profile for 'Vincent' with a person icon.



# GitHub Copilot

The screenshot shows the GitHub Copilot interface integrated into a code editor. On the left, there's a sidebar with various icons for file operations like copy, paste, search, and navigation. The main area has a dark background with a horizontal color bar at the top.

**GITHUB COPILOT: CHAT**

**GitHub Copilot**

Hi @monalisa, how can I help you?

I'm powered by AI, so surprises and mistakes are possible. Make sure to verify any generated code or suggestions, and share feedback so that we can learn and improve.

**parse\_expenses.py**

```
1 import datetime
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
```

**Ask a question or type '/' for commands**

# Copilot Chat

*Improve code quality with contextual conversations.*

## Generate unit tests

Copilot Chat can help write unit test cases by generating code snippets based on the existing code in the editor or the code snippet highlighted in the editor by the user.

## Explain code

Copilot Chat can help explain selected code by generating natural language descriptions of the code's functionality and purpose.

## Propose code fixes

Copilot Chat can help propose a fix for bugs in your code by suggesting code snippets and solutions based on the context of the error or issue.

## Answer coding questions

Copilot Chat allows you to ask for help or clarification on specific coding problems and receive responses in natural language format or in code snippet format.

## Translate languages

Copilot Chat can help you translate code from one programming language to a different language.

## Increase readability

Copilot Chat can help you increase code readability by adding missing comments and suggesting such as better variable names.

# GitHub Student Developer Pack



Primer

## Primer: Copilot

What is Copilot and how do you get started using it?  
Use this Experience as a Primer on Copilot. We share  
tutorials, guides and templates to learn how to use AI  
in your development process.

Offers in this bundle



[GitHub Copilot](#)



[GitHub Codespaces](#)



[Visual Studio Code](#)

[Learn more about Primer: Copilot >](#)

<https://education.github.com/pack>

The GitHub Student Developer Pack eligible for students having an *academic email* and *proof of academic status*

# Call to Action



# Microsoft's AI Principles



Fairness



Reliability  
& Safety



Privacy &  
Security



Inclusiveness



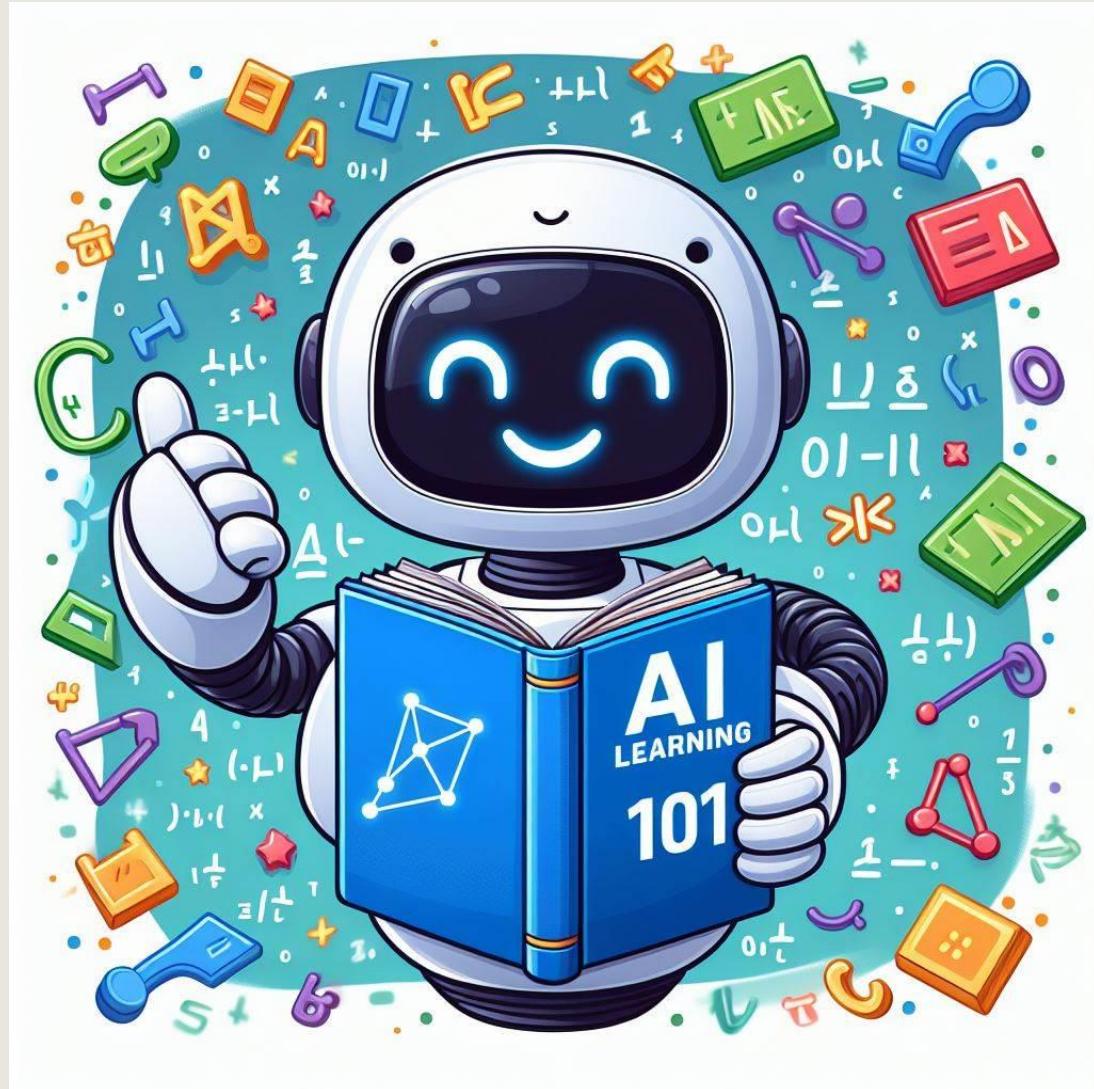
Transparency



Accountability



Get Started with Your  
AI learning  
**NOW!**





CLOUD SKILLS CHALLENGE

# Microsoft Asia AI Odyssey

The Microsoft AI Odyssey is an excellent opportunity to enhance your AI skills and advance your career in the field of AI.

Learn new Microsoft AI Applied Skills, earn credentials and stand a chance to win cool prizes!

**[aka.ms/AIOdysseySG](https://aka.ms/AIOdysseySG)**



# Guess the Prompt!

*Identify **key words** that would have been used to generate the following images..*





"A black and white illustration of a cat playing with a human fire fighter."





"A macro, close-up photo showing a bee that has landed on a flower. The bee is yellow and black. A blurred field of flowers is in the background."





"A claymation drawing of a group of children playing on a see-saw with a close up on a bottle of spilled drink."





"A drone photo of the Singapore skyline, featuring Marina Bay Sands."





"An illustration of two clowns juggling in the colors of black, yellow, and pink in the style of a cubism painting."



CODE; WITHOUT BARRIERS

# Code; Without Barriers

*Creates awareness, Challenge assumptions, and Celebrate diversity in tech*



# CODE; WITHOUT BARRIERS

*Breaking Barriers through Developer Diversity for an inclusive National Digital Agenda*

Community leaders as  
ALLIES for developer  
diversity

Inspiring and skilling  
**diverse developer  
talent**

Diversity of opinion to  
inform decision making  
in government,  
customer, and partner

Targeted engagement  
with top communities  
**(30% diversity in  
community)**

Skilled talent pool of  
women developers in 3  
years, 9 countries  
**(3k women in AI and  
Cloud)**

Key coalition and  
partnerships with iconic  
organizations  
**(unlock career  
opportunities)**

31  
OSS Communities

3,326  
Women in Cloud and AI

43  
partners and growing



# 750K Developers

## Success Stories

 **Shahidah Kunhi Mammed** • 2nd  
Computer Science Student | 2x Azure Certified | ...  
1yr •  

What an incredible experience to be a participant in Microsoft's Code: Without Barriers Hackathon 2022! At the Grand Finale yesterday, encouraging words were spoken by Anna Mathew who provided confidence to many of the participants not only in preparation for our presentations but for our continuous journey in this industry as well.

It was an honor to demonstrate my solution to Priyanka Shah, which tackled one of Accenture's problem statements using Microsoft Azure's services. Thank you so much for your great feedback!

I am truly grateful to join and be part of this community that has taught me so much. Getting to see and listen to everyone's stories and their various backgrounds was truly inspiring and encouraging for all of us!

Special thanks to Elizabete Kalnozola for giving me the opportunity to participate and responding to the questions I had about the Hackathon. Also, a big thank you to all the mentors Poonam Sampat, Dr. Cher Han Lau, Dr. Julia Gusakova, Renganathan Palanisamy for your support during the mentoring sessions and for clearing our doubts and challenges.

Much appreciation to iTrain Asia Pte. Ltd. (Singapore), Girls in Tech Kuala Lumpur and Microsoft that sponsored this event and the companies Accenture, Just Analytics by Rackspace, HCL Technologies, CIMB, Government Big Data Institute - GBDI for their problem statements.

Lovely to meet all you ladies Nuramni Ashikin Anuar, Nur'Yusra 'Arafah bt Md Isa Yusuff, Nurul Farainah Mohammad, Weng Tai C. Ts. Nur Izzati Illyes at the event!

#codewithoutbarriers #cwbh hack2022 #opportunity #thankyou #microsoft #microsoftazure #womeninai #tech




**maryam safiyah (She/Her)** • 1st  
AI & Machine Learning | Optimization | Computer Vision  
2h • 

A big round of kudos to Microsoft and iTrain for their fantastic certification and training programs. Your programs have been instrumental in my professional growth and development.

Elizabete Kalnozola, Microsoft, iTrain Malaysia, Girls in Tech Kuala Lumpur

## I'M STARTING A NEW POSITION!

Thanks to  
**CODE; WITHOUT BARRIERS**



**Shivani Reddy Nigudagi SHRM-SCP** • 1st  
HR & OD Practitioner | Startup Mentor | Coach | Speaker | #IA...  
7mo • 

Super exciting Saturday morning at Microsoft Code: Without Barriers physical meet-up in collaboration with Girls in Tech Kuala Lumpur. A forum dedicated to fostering more #diversityandinclusion in the tech space by providing t... [see more](#)




**Amber Clarisse Cubacub** • 1st  
Administrative Officer at CAWALAI | Graphic Designer | Web De...  
Tyr • 

Last April until May 16, I attended Code Without Barriers Hackathon sponsored by Microsoft, iTrain Asia Pte. Ltd. (Singapore), and Girls in Tech Kuala Lumpur... I am finally proud of showing my project solution for the hackathon. AI-Sees...

Check out my solution here: <https://lnkd.in/ddgQwQT4>

See you on the Demo Day this June 1!!

#ai #microsoft #project #codewithoutbarriers

**Ai-Sees Vision**

 **Ai-Sees**

Code without Barriers Hackathon

by **Amber Clarisse Cubacub**



**Sindhura Sunkara** • 1st  
Leadership | Business Management | Technology Enthusiast | ...  
1mo • 

What began as an idea a few months ago has now scaled to over 8 countries in Asia Pacific and touching over 1500 Women. Very proud of the Code: Without Barriers Meetups we have hosted in collaboration with Girls in Tech to i... [see more](#)




**beewah lim** • 1st  
Small Medium and Large Corporation Leader at Microsoft  
2w • 

When Code; Without Barriers was introduced more than a year ago, Microsoft's goal was to help close the gender gap across Asia Pacific's growing technology sector. How? By bringing together a coalition of developers, industries, ... [see more](#)



Malaysians are breaking barriers to drive an



" Thanks to Code; Without Barriers, I was able to obtain valuable certifications and develop an impressive project for my portfolio. I still remember sitting in my interview and my manager being thoroughly impressed by the speech-to-sign translator project that I built during the hackathon. As a fresh graduate, I had no working experience to showcase my skills as a developer, but these projects made me stand out. I am grateful for the opportunities that CWB has opened for me.."

-Mel Lim, Employee

" It's a great experience and community, come join and let your hidden talents shine!"

-Low Jia Jen, Job Seeker

" This hackathon completion is very good and helps to improve our skills on real world problem."

-Viknesvary A/P Rajoo, Student



Shivani Reddy Nigudagi SHRM-SCP • 1st  
HR & OD Practitioner | Startup Mentor | Coach | Speaker #IA...  
7mo • ⓘ  
Super exciting Saturday morning at Microsoft Code: Without Barriers physical meet-up in collaboration with Girls in Tech Kuala Lumpur. A forum dedicated to fostering more #diversityandinclusion in the tech space by providing tl ...see more

" This was a very good opportunity to upskill and would like for this to continue."

-Sara Ng Hui Min, Data Analyst

The forum creates a safe space for aspiring women to learn from experienced people and also be open, vulnerable to acknowledge and work on their skills. The sessions not just focussed on theory of growth, but also real-life examples where mentees were exposed to right decision making and ensuring there is persistent effort towards progress. The curiosity and eagerness to grow, learn and improve themselves was biggest motivators for the mentors to be creative each time".

Thanks,

Nisha



maryam safiyah (She/Her) • 1st  
AI & Machine Learning | Optimization | Computer Vision  
2h • ⓘ

A big round of kudos to Microsoft and iTrain for their fantastic certification and training programs. Your programs have been instrumental in my professional growth and development.

Elizabeth Kalnozola, Microsoft, iTrain Malaysia, Girls in Tech Kuala Lumpur

## I'M STARTING A NEW POSITION!

Thanks to  
**CODE; WITHOUT BARRIERS**

More info - aka.ms/codewithoutbarriers



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Here you go :)

" I am extremely grateful for this mentorship experience. It has been as it has been highly rewarding and transformative for me"

- Harmeet Kaur Sokhi, CWB Mentor

It was a truly meaningful and purposeful experience. Grateful to be able to leverage my stories, experiences, and privilege to pay it forward through CWB's Mentoring Program. Look forward to the next one!

Kind regards,  
Pueyen

Thanks so much for giving me this opportunity as a mentor in the 2nd cohort.

The one liner statement as testimonial will be:

"The 2nd Cohort CWB Mentoring Circles program exemplifies the value of mentoring, offering life-changing experiences and profound insights that inspire women to embrace their potential and thrive in every aspect of their lives, which have enriched my personal and empowered me to reach new heights in my professional growth."

Thank you.

Warm regards,

Shaparas binti Daliman, PhD, P.Tech  
Faculty of Earth Science  
Universiti Malaysia Kelantan (Jeli)



Sindhura Sunkara • 1st

Leadership | Business Management | Technology Enthusiast | ...  
1mo • ⓘ

What began as an idea a few months ago has now scaled to over 8 countries in Asia Pacific and touching over 1500 Women. Very proud of the Code: Without Barriers Meetups we have hosted in collaboration with Girls in Tech to ...see more



Singapore Community Meet Up  
21 March 2023  
CODE: WITHOUT BARRIERS Girls In Tech

CWB Asia website



April- June

**CODE: WITHOUT BARRIERS  
HACKATHON**





