



Azure Savanna

Where Azure Expertise Unites!

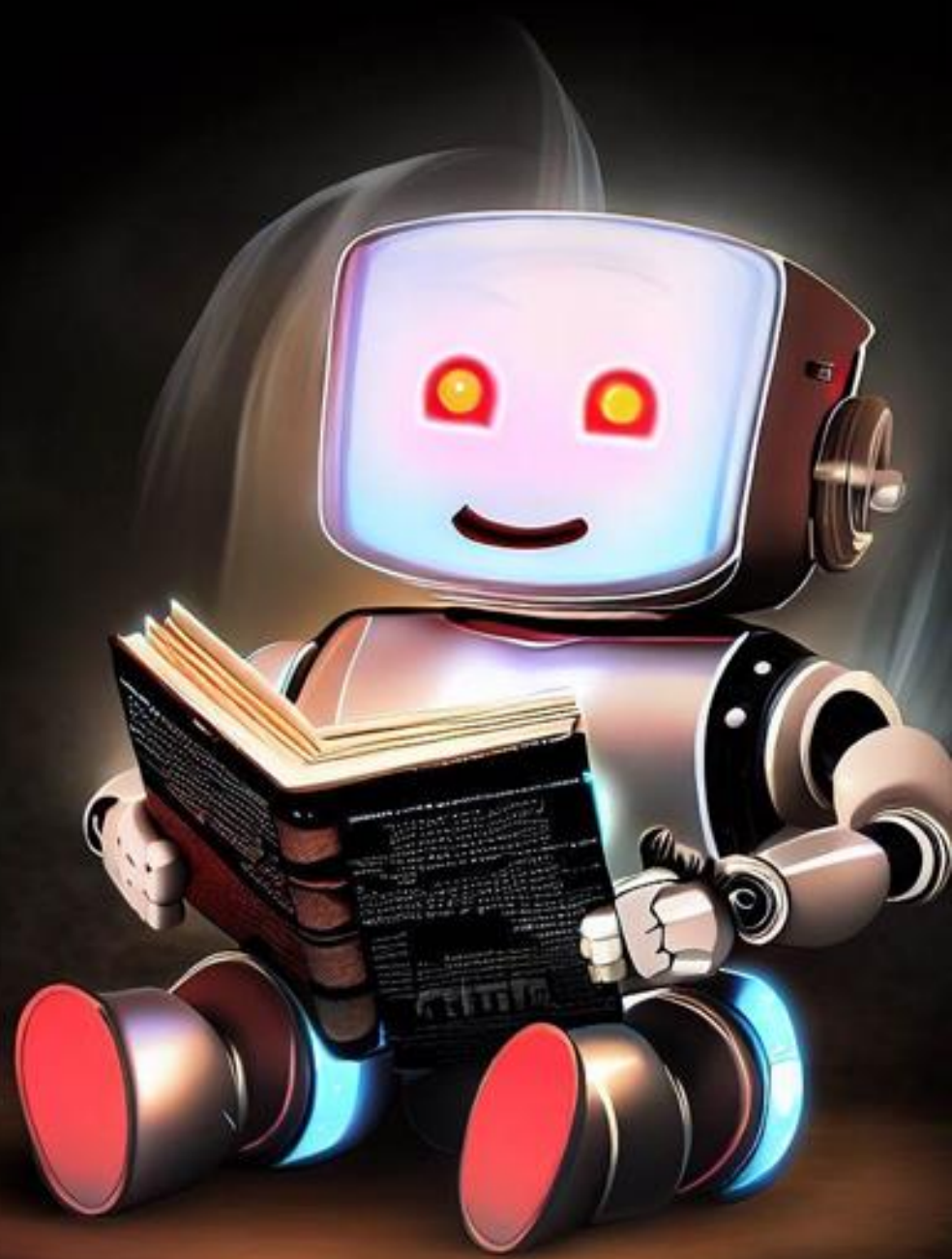




Azure
Savanna

presents

An introduction to Generative AI on Azure





Agenda

- Welcome
- Introduction to Azure OpenAI
 - by Sammy
- Demo with Dall-E
 - by Bethany
- Generative AI on Power Platform
 - by Shadrack (remote)



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Welcome



Introduction to Azure OpenAI

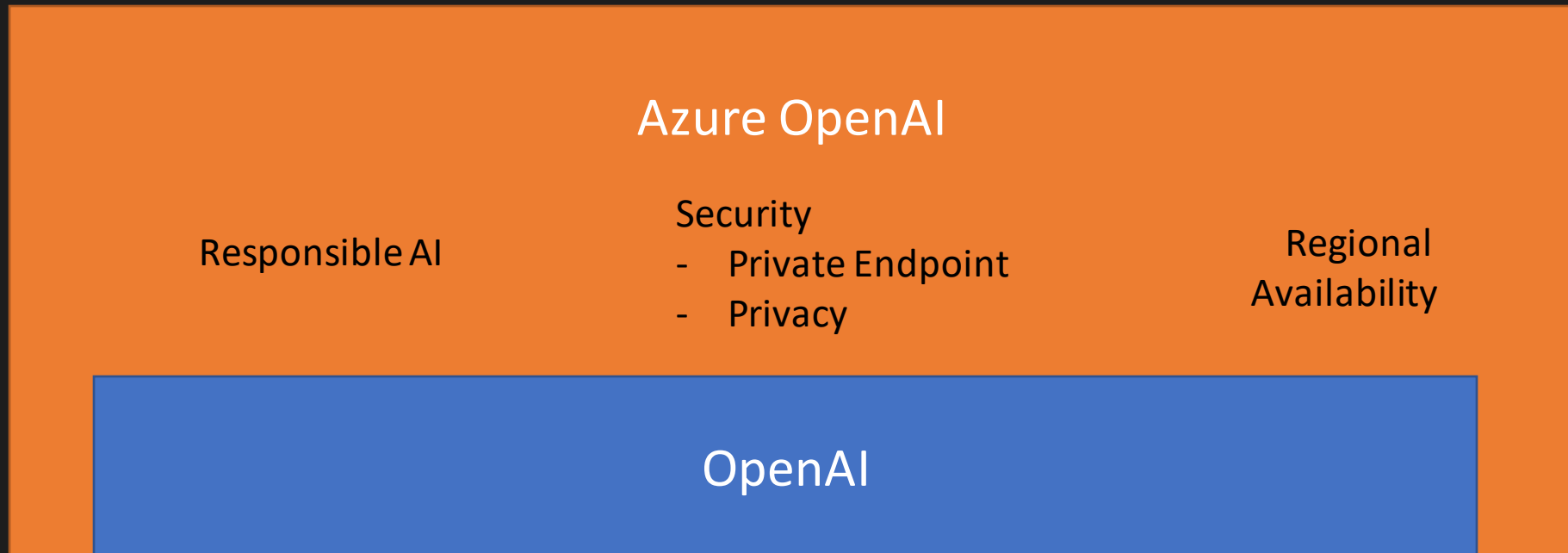


What

- Open AI
- Azure OpenAI



Difference





Get Access

<https://aka.ms/oaiapply>



A quick tour

<https://oai.azure.com/>



Azure Savanna

Model Types

- GPT
- Embedding
- Codex
- Dall-E



Model Type

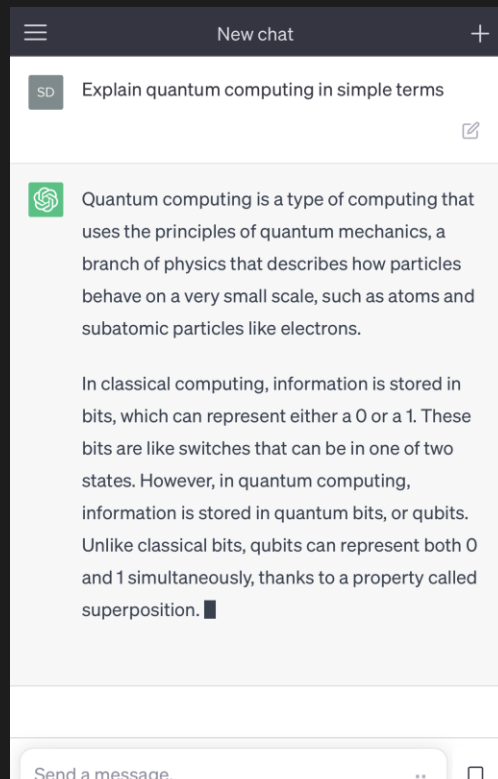
GPT

(Generative Pre-trained Transformer)



Model Type - GPT

Chat



Completion

Write a job description for the following job title: 'Business Intelligence Analyst'. The job description should outline required qualifications, highlight unique benefits like flexible working hours, and provide information on how to apply. Generate this in HTML format

Business Intelligence Analyst

Responsibilities:

- Interpret data, analyze results using statistical techniques and generate reports
- Develop and implement databases, data collection systems, data analytics and other strategies that optimize s
- Acquire data from primary or secondary data sources and maintain databases
- Identify, analyze, and interpret trends or patterns in complex data sets
- Locate and define new process improvement opportunities

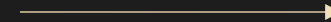
Qualifications:

- Bachelor's degree in a related field (e.g. Computer Science, Mathematics, Statistics)
- Strong knowledge in SQL and other data analytic software
- Highly organized and detail-oriented
- Excellent written and verbal communication skills



Model Type - GPT

n tokens in



1 token out





Model Type - GPT

Tokens	Characters
--------	------------

13	65
----	----

13	65
----	----

With LinkedIn learning I can extend my skillset and upgrade my CV

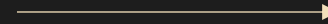
[3152, 27133, 4673, 314, 460, 9117, 616, 4678, 316, 290, 8515, 616, 26196]



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Model Type - GPT

n tokens in



1 token out



The quick brown fox jumps over the → lazy



Model Type - GPT

What is LinkedIn Learning?

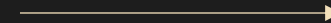
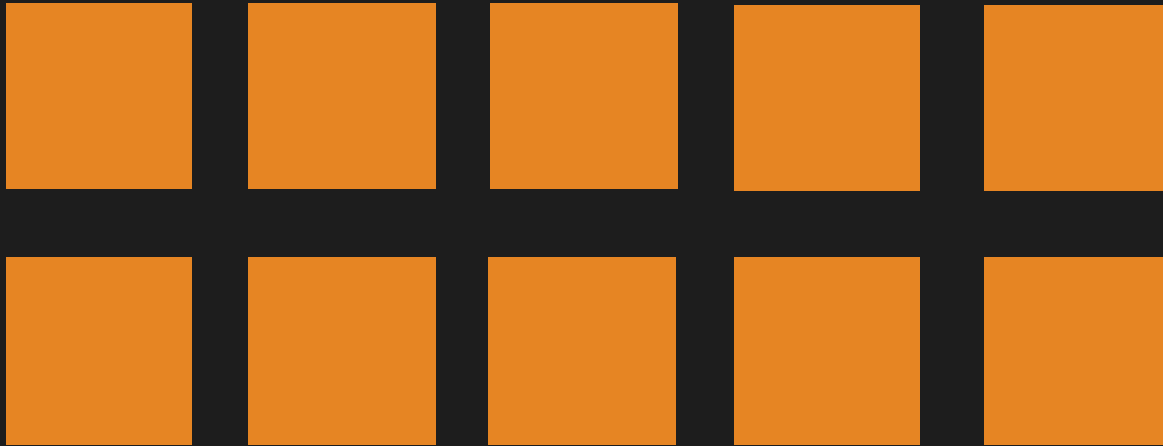
LinkedIn Learning is an online platform with courses taught by experts to help you improve your professional skills. It offers a wide range of video-based courses on topics like business, technology, and leadership. You can learn at your own pace and showcase your completed courses on your LinkedIn profile.



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Model Type - GPT

n tokens in



1 token out





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Model Type - Embedding

Text:

We must always remember the
importance of kindness.

Vector:

[0.16410568, 0.3020603, 0.5778496, -
0.39794295, 0.009384632, 0.590629, -
0.5692594, -0.16751475, 0.39017616,
0.3815225, -0.3356046, 0.49549717,]



Model Type

Embedding

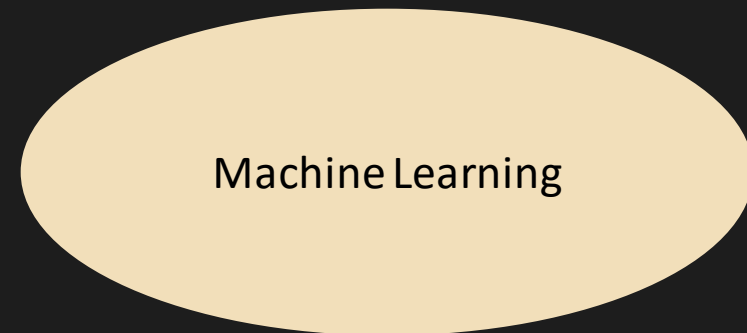


Model Type - Embedding

“Have more than you show,
speak less than you know.”
Shakespeare



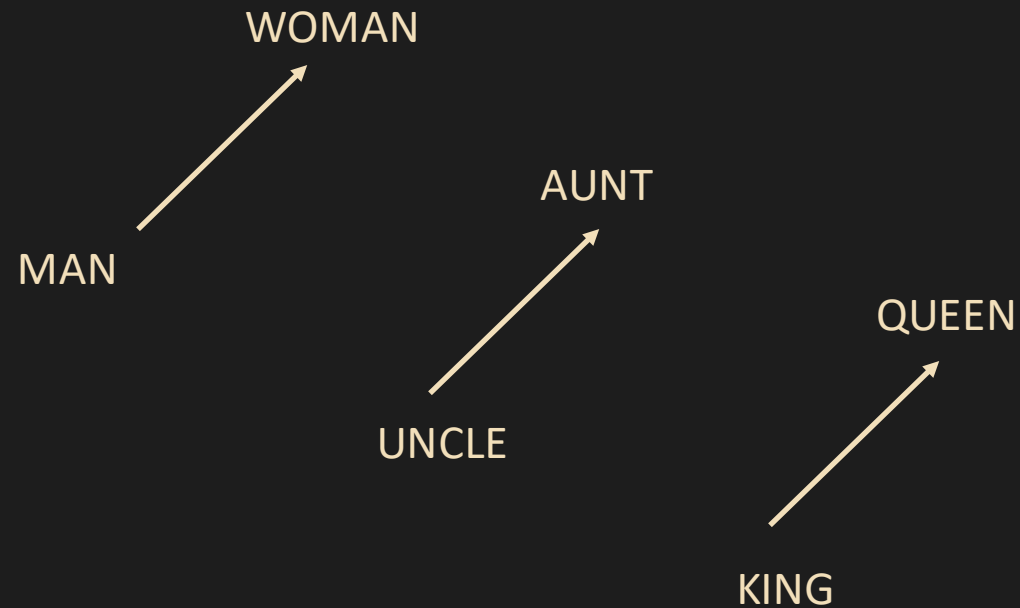
0.002735	0.562381	0.602136	0.987562
0.452709	0.502076	0.604618	0.73275
0.833374	0.878325	0.662409	0.523189
0.528846	0.295417	0.002169	0.743338





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Model Type - Embedding





Model Type

Codex



Model Type - Codex

GPT for Coding



Model Type - Codex

#a function to validate a login request

```
def validate_login_request(request: Request):  
    #get the request body  
    body = await request.json()  
    #check if the body contains the required fields  
    if "username" not in body or "password" not in body:  
        raise ValueError("Username and Password are required")  
    #check if the username and password are empty  
    if body["username"] == "" or body["password"] == "":  
        raise ValueError("Username and Password cannot be empty")  
    #return the body  
    return body
```






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Let's code a bit



Model Type

Dall-E



Model Type - Dall-E

Command:

A bear learning about AI

