Student Labs :

**Prerequisites**

<https://github.com/microsoft/TechExcel-Operationalize-LLMs-with-LLMOps-automation/blob/main/docs/01_intro_to_llms/01_setup.md#required-tools>

Visual studio Code

Labs Day 1:

Document shared by instructor – (Day 1 Lab.pdf)

Day 2:

<https://github.com/Azure/azure-ai-agents-labs>

Day 3:

Main Repo - <https://github.com/Azure/GenAIOps>

<https://github.com/Azure/gpt-rag>

<https://github.com/Azure/gpt-rag-ingestion>

<https://github.com/Azure/gpt-rag-orchestrator>

**Highly recommended pre-work:**

* [Introduction to Azure AI Foundry - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/modules/introduction-to-azure-ai-studio/)
* [Get started with Azure AI Services - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/get-started-azure-ai/)
* [Create and consume Azure AI services - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/modules/create-manage-ai-services/)
* [Explore and deploy models from the model catalog in Azure AI Foundry portal - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/modules/explore-models-azure-ai-studio/)
* [Fundamentals of Generative AI - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/modules/fundamentals-generative-ai/)
* [Get started with Azure OpenAI Service - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/modules/get-started-openai/)
* [Microsoft Azure AI Fundamentals: Generative AI - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/introduction-generative-ai/)
* [Apply prompt engineering with Azure OpenAI Service - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/modules/apply-prompt-engineering-azure-openai/)
* [Implement Retrieval Augmented Generation (RAG) with Azure OpenAI Service - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/modules/use-own-data-azure-openai/)

<https://learn.microsoft.com/en-us/azure/ai-services/openai/how-to/on-your-data-configuration#role-assignments>

Automation links :

<https://techcommunity.microsoft.com/blog/azureinfrastructureblog/automating-azure-ai-foundry-deployment-with-iac-leveraging-bicep-and-github-work/4412155>

APIM Configuration steps :

<https://github.com/microsoft/TechExcel-Integrating-Azure-PaaS-and-AI-Services-for-AI-Design-Wins/tree/351bd2fd46a7f36cfa66ed5461c6a90d4bd450cf/docs/06_add_genai_gateway_capabilities_with_api_management>