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### Reflective Journal: L05

I analyzed generative AI technology operation in cloud environments by studying development and management techniques through Azure AI Foundry. The main duty I had involved project development through hub and project naming procedures followed by GPT-4 model deployment within the Chat Playground platform.

I gained understanding of Azure's AI service management system by learning how to create resource groups for storage accounts and key vaults that support AI projects. The training demonstrated how to link an operational AI model with user-friendly testers that accept prompts and generate automatic responses from users.

The most significant lesson learned from this laboratory work involved the significance of developing solid prompt engineering approaches. I designed precise instructions for the AI system which led to improved prompt refinement as well as Wikipedia and other external sources used for response verification. My response accuracy along with answer relevance increased due to the implementation of these strategic approaches.

The process of building the project involved a hurdle because I needed to confirm that I picked the proper resource group and deployment region properly. Proper attention to these details ensured that everything operated as intended with no durations.

My comprehension of Azure generative AI system both technically and practically became stronger after completing this lab. During my interaction with AI models I learned the critical value of creating specific well-designed prompts.