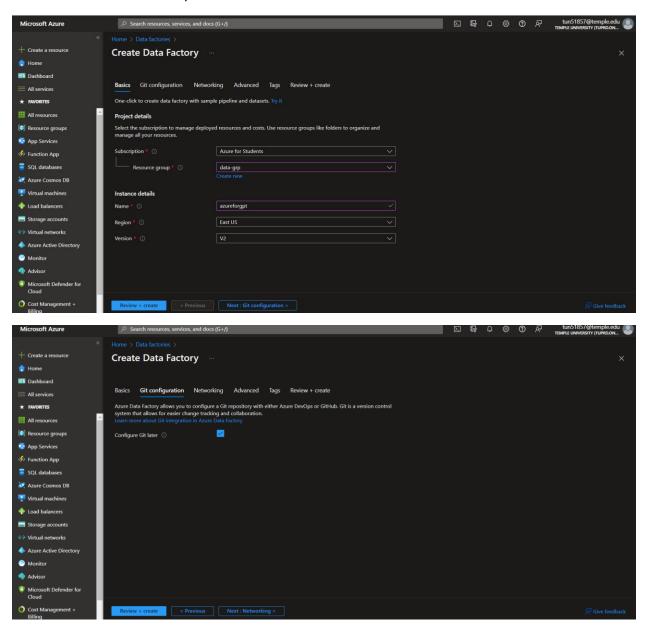
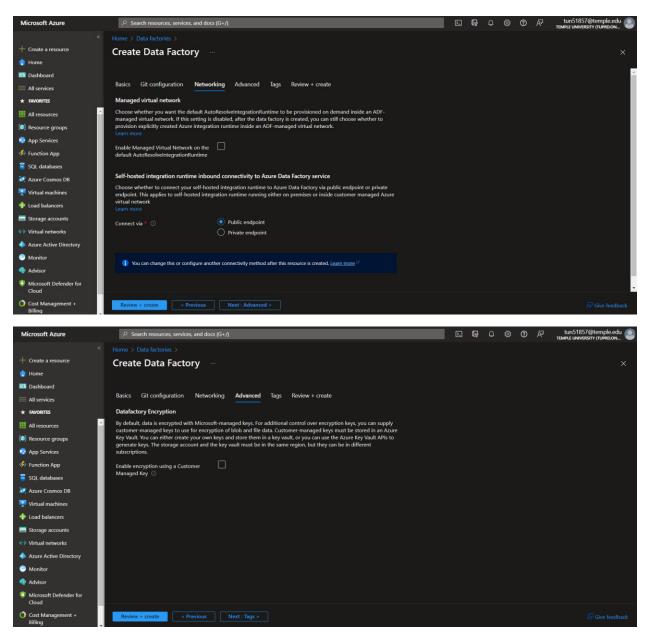
## **Guidelines to deploy App.py in Microsoft Azure**

To call the Python script from within the Azure Data Factory pipeline, in this document I'll walk you through the process step-by-step.

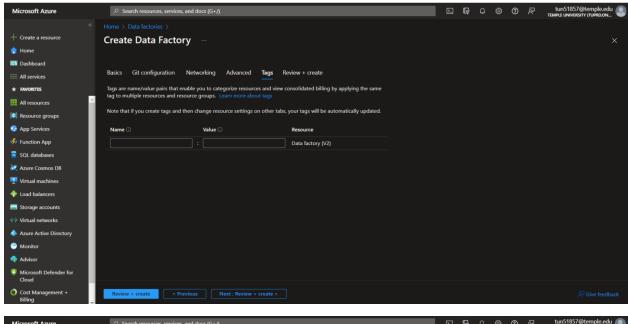
- Create Azure Data Factory account
- Create the Azure Batch Account and Azure Pool
- Upload the python script in the Azure blob storage.
- Add the custom activity in the Azure Data factory Pipeline and configure to use the Azure batch pool and run the python script.

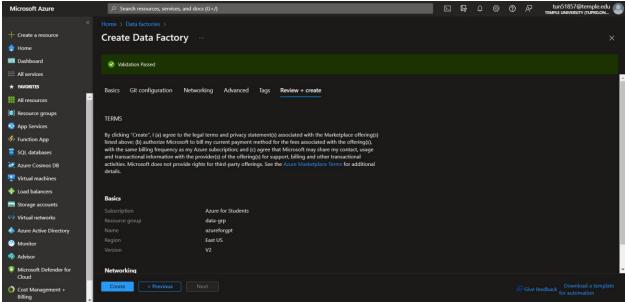
Create the Azure Data Factory account:

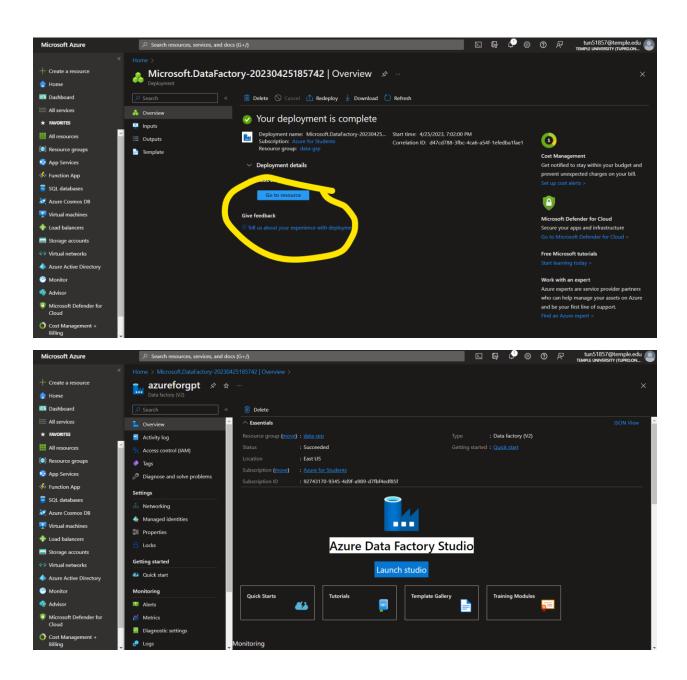




You can add tags hear which is optional if you want to skip you can simply click on next:







## **Create the Azure Batch Account & create the Azure Pool:**

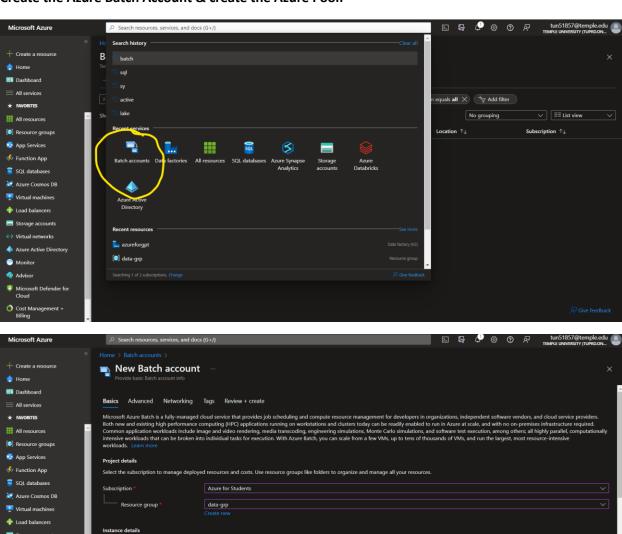
♦ Virtual networks

 Microsoft Defender for Cloud

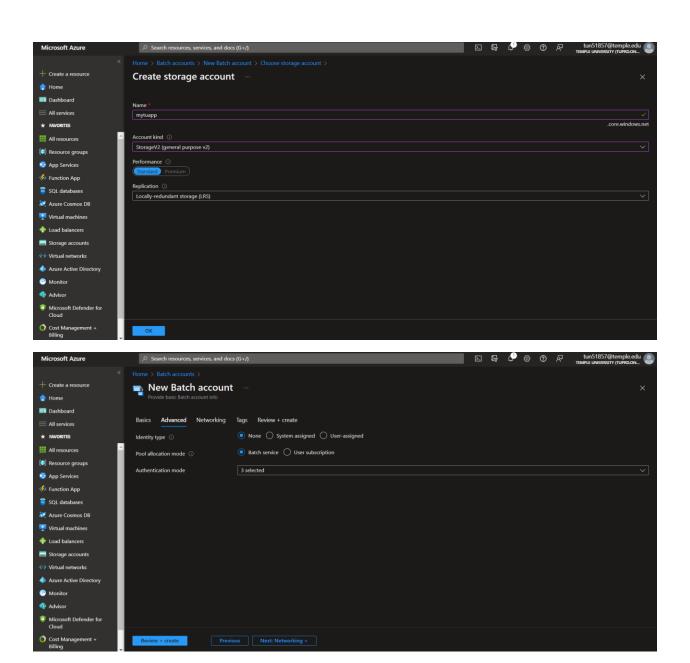
Monitor

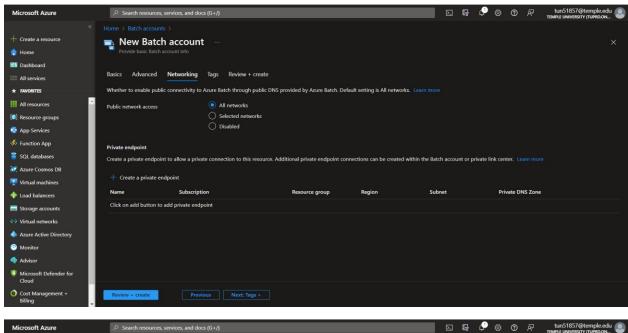
Location \* ①

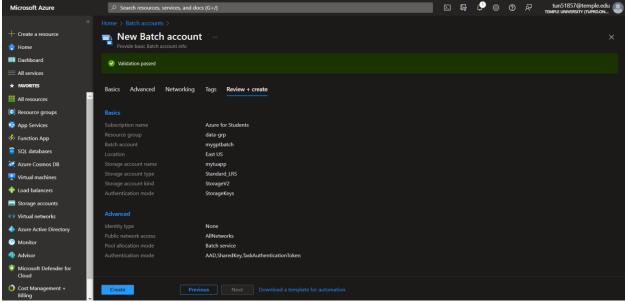
w + create Previous Next: Advanced >

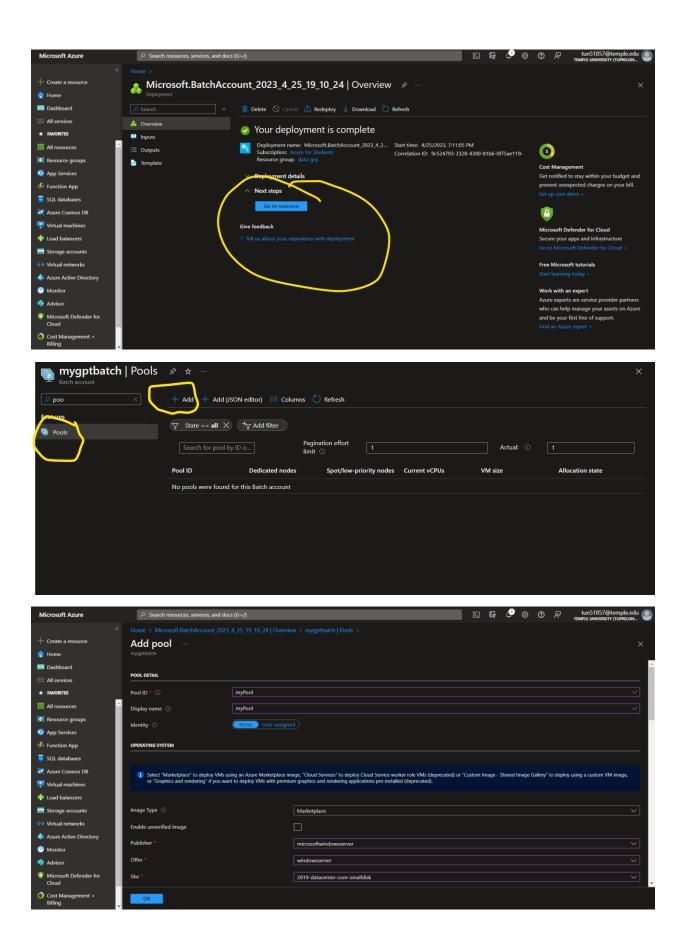


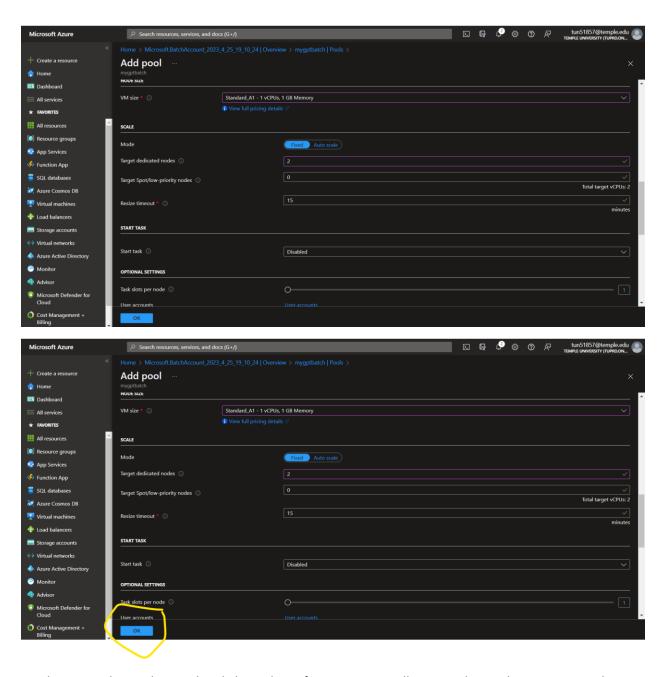
.eastus.batch.azure.com







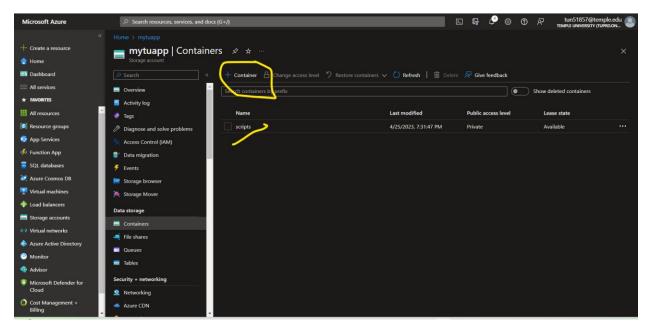




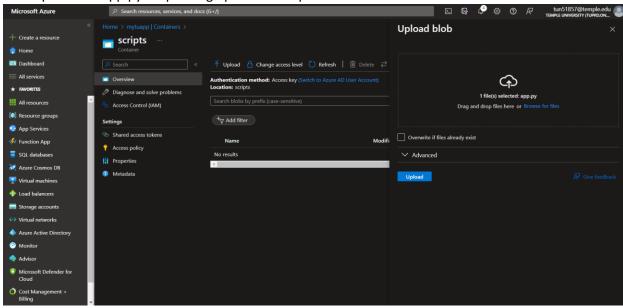
Batch creates the pool immediately but takes a few minutes to allocate and start the compute nodes. On the Pools page, you can select myPool to go to the myPool page and see the pool status of Resizing under Essentials > Allocation state.

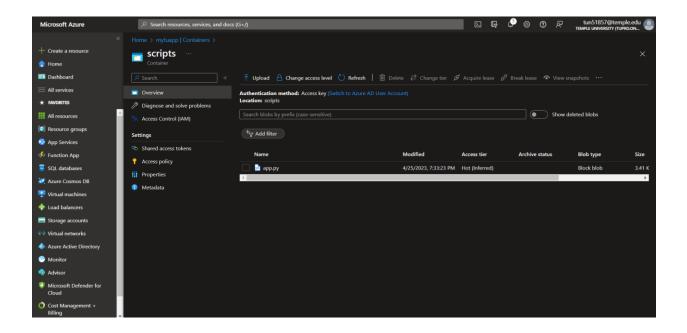
## Upload the python script in the Azure blob storage:

Go to storage account>> data storage>>container, press on + and name the folder as "scripts"

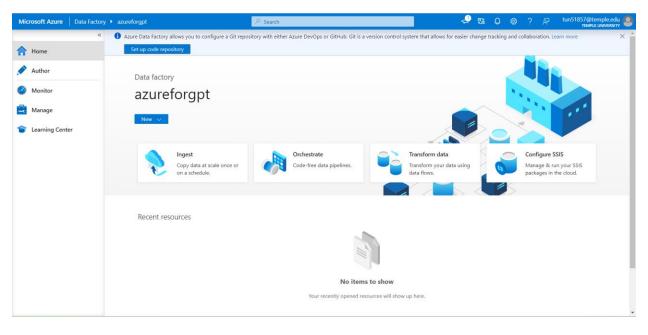


Now upload the app.py script using upload blob option.

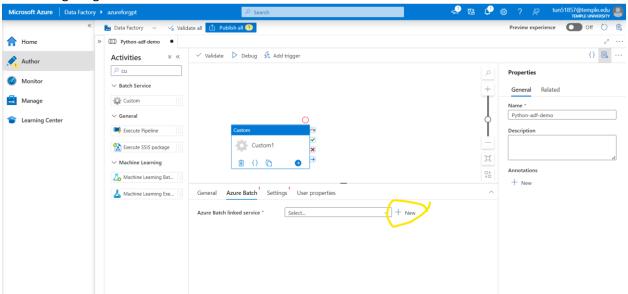




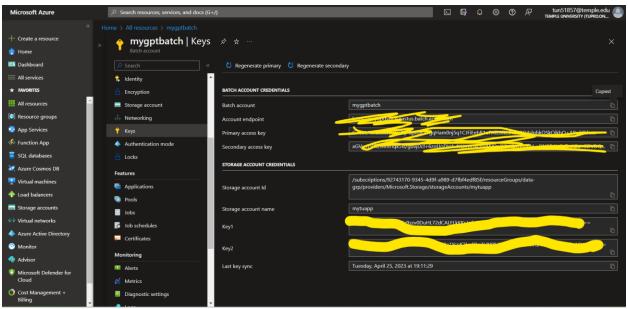
Now go to Azure Data factory to add the custom activity in the Azure Data factory Pipeline and configure to use the Azure batch pool and run the python script.



Click on author>>activity and type custom. Under the batch service drag custom component and start configuring.

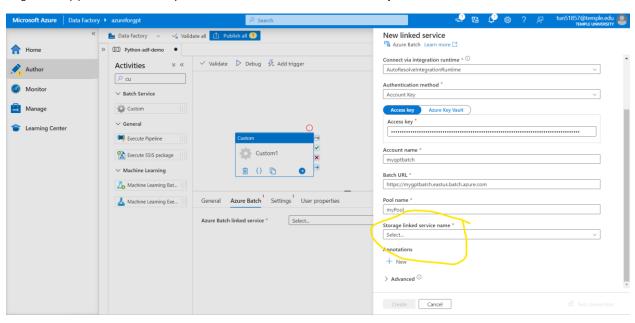


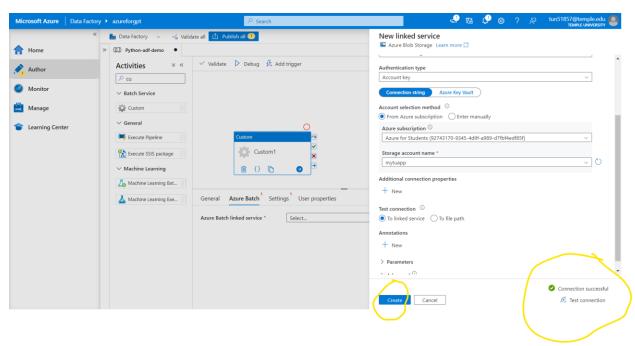
It will ask for the account key, go to the azure batch account ->Keys and copy the account key from there.

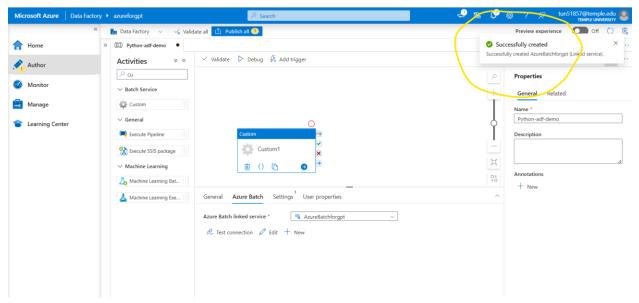


## **Configure Custom Activity in ADF**

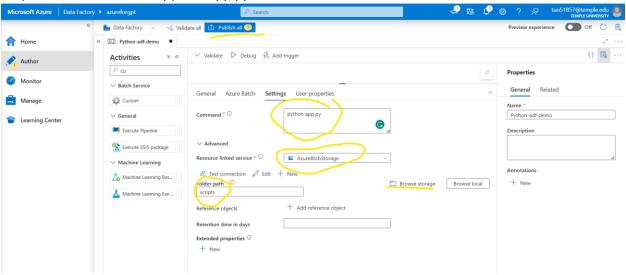
Now go back again to the pipeline's custom activity. You have Azure batch linked service is available just select that.

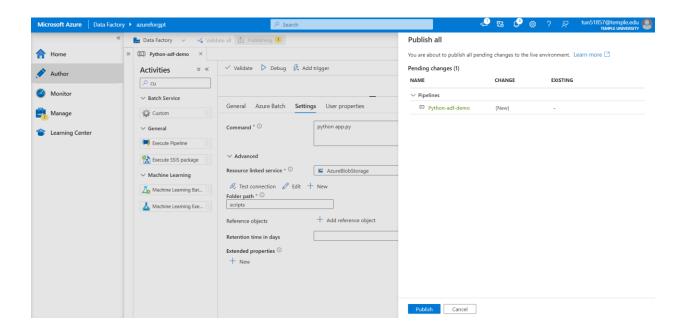






Go to the Settings tab. Under it now type in the command which you want to execute. As I wanted to run the python script only, hence I will type the command to execute the python script which looks like this: python app.py





Now our pipeline is ready to run. Just click on the debug and try to run and test the pipeline.

