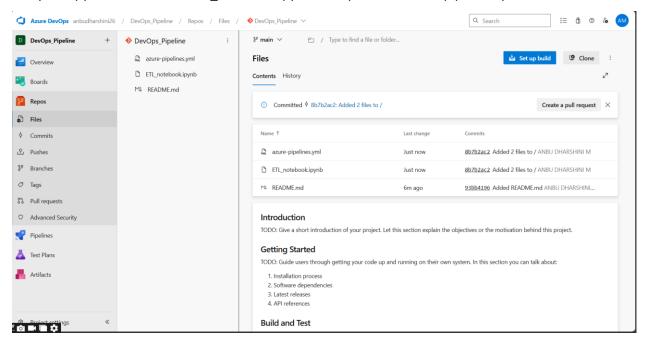
Automation via Azure DevOps Workflow

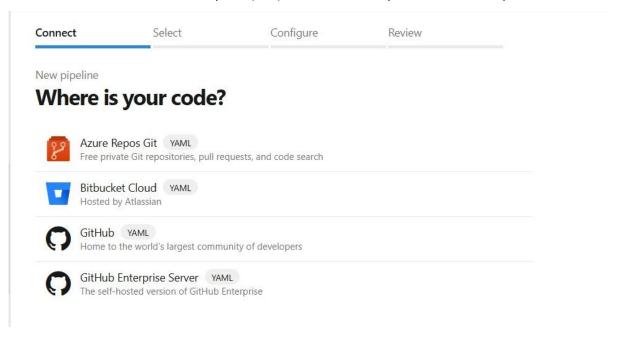
Step-1:

Create New Project -> SupplyChainAutomation -> Click on to the Three dots on the top right corner and add your .ipynb notebook -> "ETL_notebook.ipynb" and yaml file "azure-pipelines.yml" file.



Step-2:

Select the Version control system(VCS) to continue. In my case it is Azure Repo Git.



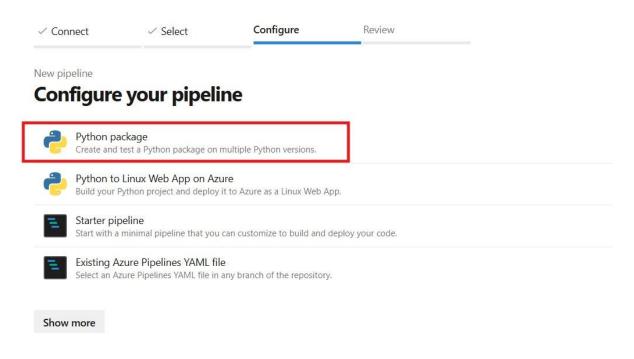
Step-3:

Select the respective repo at which the code, datasets are present. In my case it is present in hexacicd-local.



Step-4:

Then select python package to configure the pipeline.



Step-5:

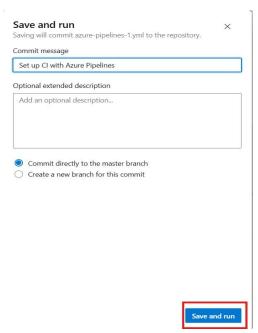
Ensure the YAML file configured properly



trigger	branch to run
pool	agent to run the tasks
vmlmage	virtual machine image
steps	sequence of
	tasks to
	perform
task	a predefined tasks from
	azure

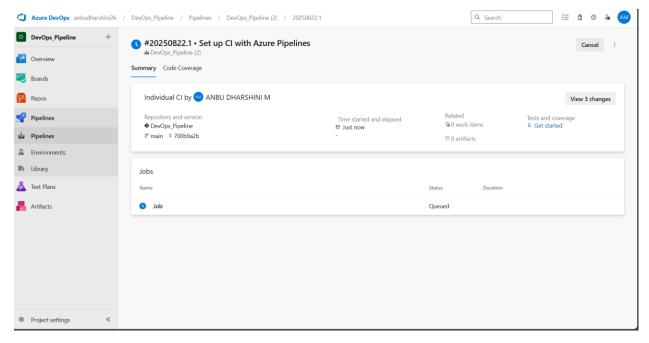
Step-6:

Once all configuration are set then click save and run



Step-7:

And then we can see the summary of the pipeline and it is scheduled to run with the configured agent.



Capstone Tasks

1. Set up a DevOps pipeline to automate weekly processing

Entire workflow defines how to setup a devops pipeline and automate it.

2. Schedule the pipeline to run every Monday

During the YAML configuration in step-5 we can define the schedule using cron expression

```
1 schedules:
2 - cron: "0 0 * * 1"
3 displayName: Monday Run
4 branches:
5 include:
6 - main
7 always: true
```

3. Output a report with top 5 absentees or lowest performing departments

The ETL_databricks_notebook.ipynb has the operations to report the 1. top 5 abscentees

2. lowest performing departments

Deliverables

YAML file and report file of latest attendance metrics is present in /Deliverables folder pushed into github.