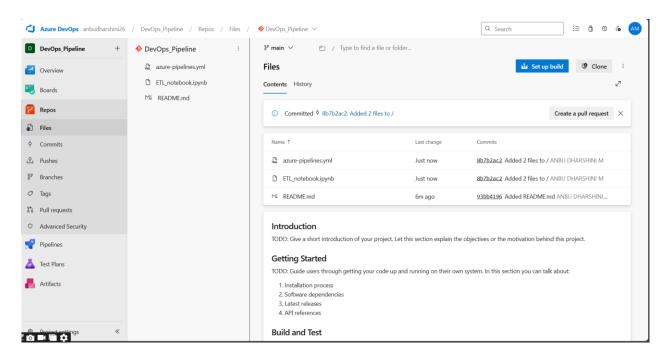
## Pictorial Document for DevOps Pipeline Process - WEEK\_5

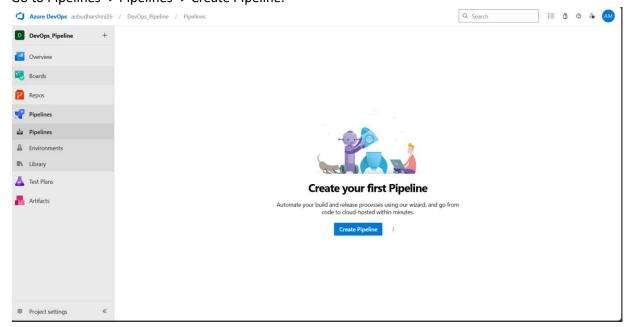
#### Step 1:

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.



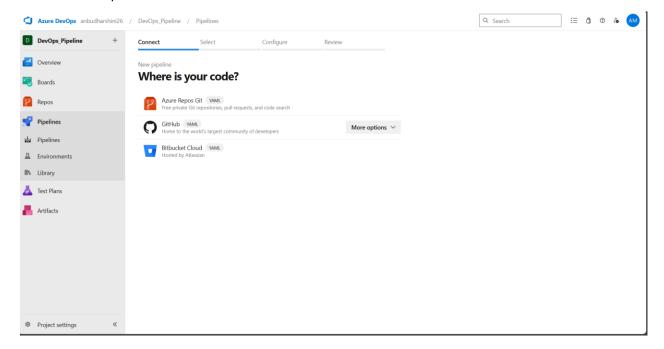
#### Step 2:

Go to Pipelines -> Pipelines -> Create Pipeline.



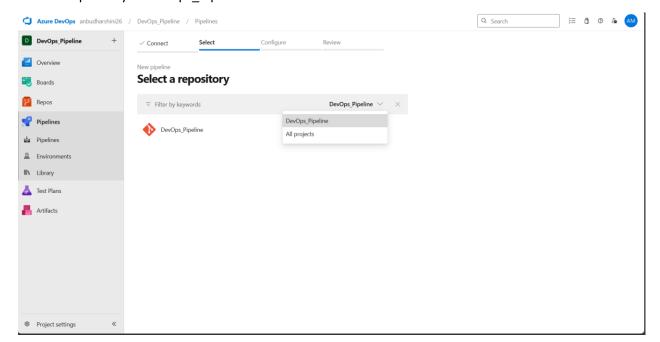
### Step 3:

### Select Azure Repos Git.



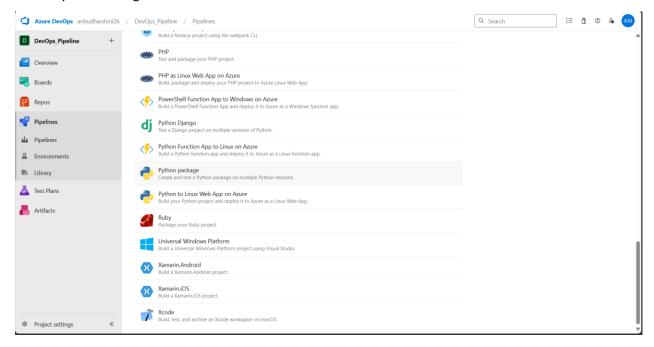
### Step 4:

Select a repository -> DevOps\_Pipeline.



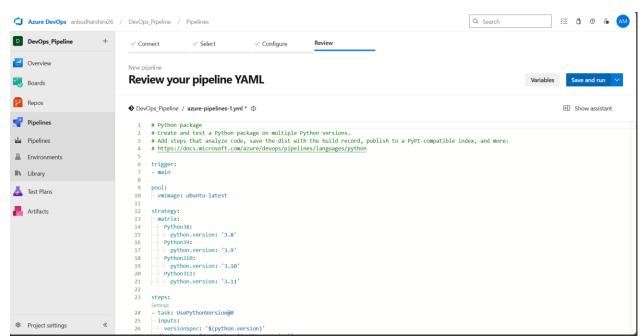
#### Step 5:

#### Select Python Package.



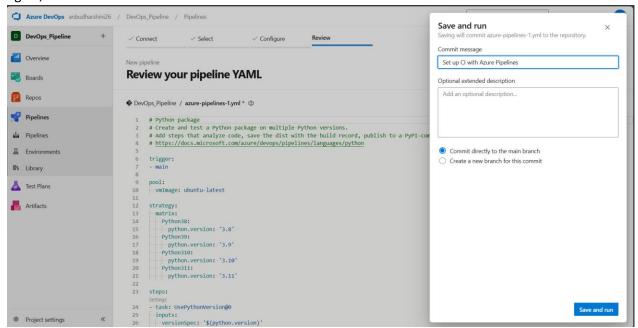
#### Step 6:

#### Click on Save and Run.



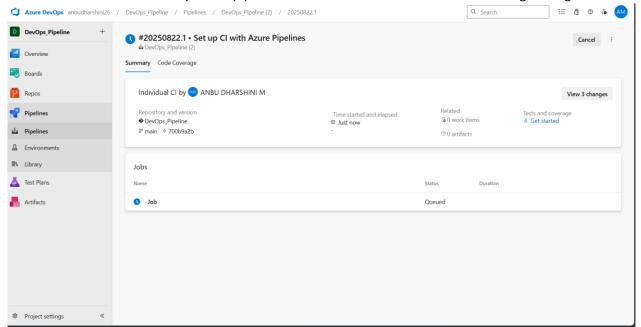
#### Step 7:

Again, click on Save and Run.



### Step 8:

Now 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.