

# PART 1 - Work Item Breakdown

## 1. Creating Epics

### Epics

Azure DevOps interface showing the 'My work items' tab for the organization 'karthikadataengineeringtraining'. The list displays five epics, all marked as 'New'.

Item	Status	Updated
Security & Compliance #69 in <a href="#">DevOps</a>	New	Updated Just now
Transaction History #68 in <a href="#">DevOps</a>	New	Updated Just now
Fund Transfer #67 in <a href="#">DevOps</a>	New	Updated Just now
Account Services #66 in <a href="#">DevOps</a>	New	Updated 4m ago
User Management #65 in <a href="#">DevOps</a>	New	Updated 8m ago

## 2. Under Each Epic, Creating Features

### Features for all Epics

Azure DevOps interface showing the 'My work items' tab for the organization 'karthikadataengineeringtraining'. The list displays twelve features, all marked as 'New'.

Item	Status	Updated
Data Encryption #79 in <a href="#">DevOps</a>	New	Updated Just now
Multi-Factor Authentication #78 in <a href="#">DevOps</a>	New	Updated Just now
Export Transactions #77 in <a href="#">DevOps</a>	New	Updated Just now
Transaction Search #76 in <a href="#">DevOps</a>	New	Updated 3m ago
External Fund Transfer #75 in <a href="#">DevOps</a>	New	Updated 4m ago
Internal Fund Transfer #74 in <a href="#">DevOps</a>	New	Updated 7m ago
View Account Balance #73 in <a href="#">DevOps</a>	New	Updated 8m ago
Account Creation #72 in <a href="#">DevOps</a>	New	Updated 9m ago
User Authentication #71 in <a href="#">DevOps</a>	New	Updated 11m ago
User Registration #70 in <a href="#">DevOps</a>	New	Updated 12m ago

### 3. Break Features into User Stories

#### User stories for each Features

Azure DevOps

K

karthikadaengineeringtraining

[New organization](#)

Organization settings

karthikadaengineeringtraining

ProjectsMy work itemsMy pull requests

Assigned to me

Encrypt Sensitive Data #99 in <a href="#">DevOps</a>	New	Updated Just now
Encrypt Passwords #98 in <a href="#">DevOps</a>	New	Updated Just now
App-Based Authentication #97 in <a href="#">DevOps</a>	New	Updated Just now
OTP Login #96 in <a href="#">DevOps</a>	New	Updated Just now
Export to PDF #95 in <a href="#">DevOps</a>	New	Updated 2m ago
Export to Excel #94 in <a href="#">DevOps</a>	New	Updated 3m ago
Filter by Type #93 in <a href="#">DevOps</a>	New	Updated 4m ago
Search by Keyword #92 in <a href="#">DevOps</a>	New	Updated 9m ago

Azure DevOps

K

karthikadaengineeringtraining

[New organization](#)

Organization settings


karthikadaengineeringtraining

ProjectsMy work itemsMy pull requests

<a href="#">Transfer Between Accounts</a> #89 in <a href="#">DevOps</a>	New	Updated 13m ago
Transfer Between Accounts #88 in <a href="#">DevOps</a>	New	Updated 13m ago
Real-Time Updates #87 in <a href="#">DevOps</a>	New	Updated 15m ago
Check Balance #86 in <a href="#">DevOps</a>	New	Updated 16m ago
Admin Approval for Account #85 in <a href="#">DevOps</a>	New	Updated 17m ago
Create Savings Account #84 in <a href="#">DevOps</a>	New	Updated 18m ago
Session Management #83 in <a href="#">DevOps</a>	New	Updated 19m ago
Login with Credentials #82 in <a href="#">DevOps</a>	New	Updated 21m ago
Verify Contact Information #81 in <a href="#">DevOps</a>	New	Updated 22m ago
Register with Email & Password #80 in <a href="#">DevOps</a>	New	Updated 24m ago

## 4. Break User Stories into Tasks

### Tasks for each User stories

 Azure DevOps

K

karthikadaengineeringtraining

[New organization](#)


Organization settings

karthikadaengineeringtraining

ProjectsMy work itemsMy pull requests

Assigned to me

 Secure Password Storage #119 in <a href="#">DevOps</a>	New	Updated Just now
 Implement Hashing Algorithm #118 in <a href="#">DevOps</a>	New	Updated Just now
 Verify OTP #117 in <a href="#">DevOps</a>	New	Updated Just now
 Generate OTP Service #116 in <a href="#">DevOps</a>	New	Updated Just now
 Provide Download Button #115 in <a href="#">DevOps</a>	New	Updated 2m ago
 Generate Excel File #114 in <a href="#">DevOps</a>	New	Updated 3m ago
 Build Search Bar UI #113 in <a href="#">DevOps</a>	New	Updated 4m ago
 Add Search Filter Logic #112 in <a href="#">DevOps</a>	New	Updated 4m ago

 Azure DevOps

K

karthikadaengineeringtraining

[New organization](#)

Organization settings

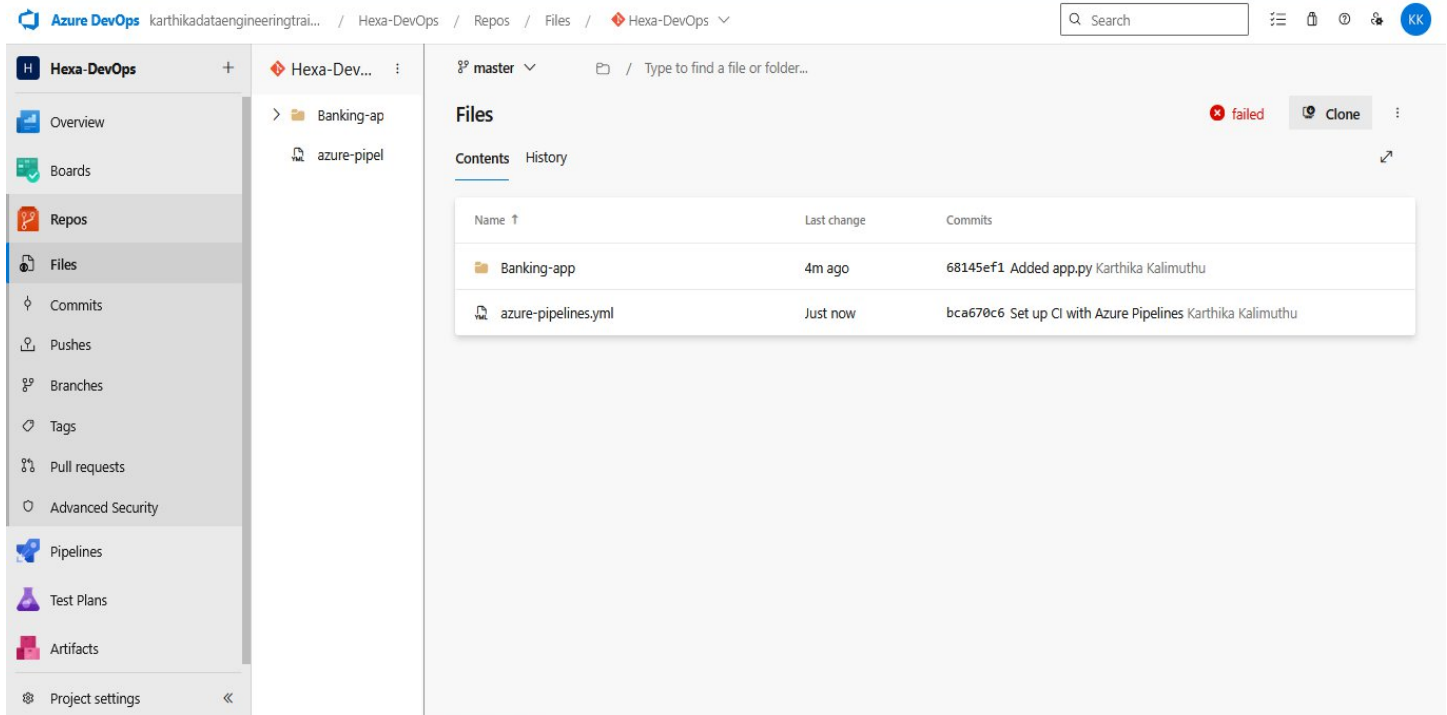
karthikadaengineeringtraining

ProjectsMy work itemsMy pull requests

 #109 in <a href="#">DevOps</a>	New	Updated 7m ago
 Create Transfer Form #108 in <a href="#">DevOps</a>	New	Updated 8m ago
 Display Balance in UI #107 in <a href="#">DevOps</a>	New	Updated 10m ago
 Build Balance API #106 in <a href="#">DevOps</a>	New	Updated 10m ago
 Validate KYC Docs #105 in <a href="#">DevOps</a>	New	Updated 11m ago
 Build Account Form #104 in <a href="#">DevOps</a>	New	Updated 12m ago
 Build Login Page #103 in <a href="#">DevOps</a>	New	Updated 13m ago
 Validate Credentials #102 in <a href="#">DevOps</a>	New	Updated 13m ago
 Build Registration API #101 in <a href="#">DevOps</a>	New	Updated 14m ago
 Design Registration Form #100 in <a href="#">DevOps</a>	New	Updated 15m ago

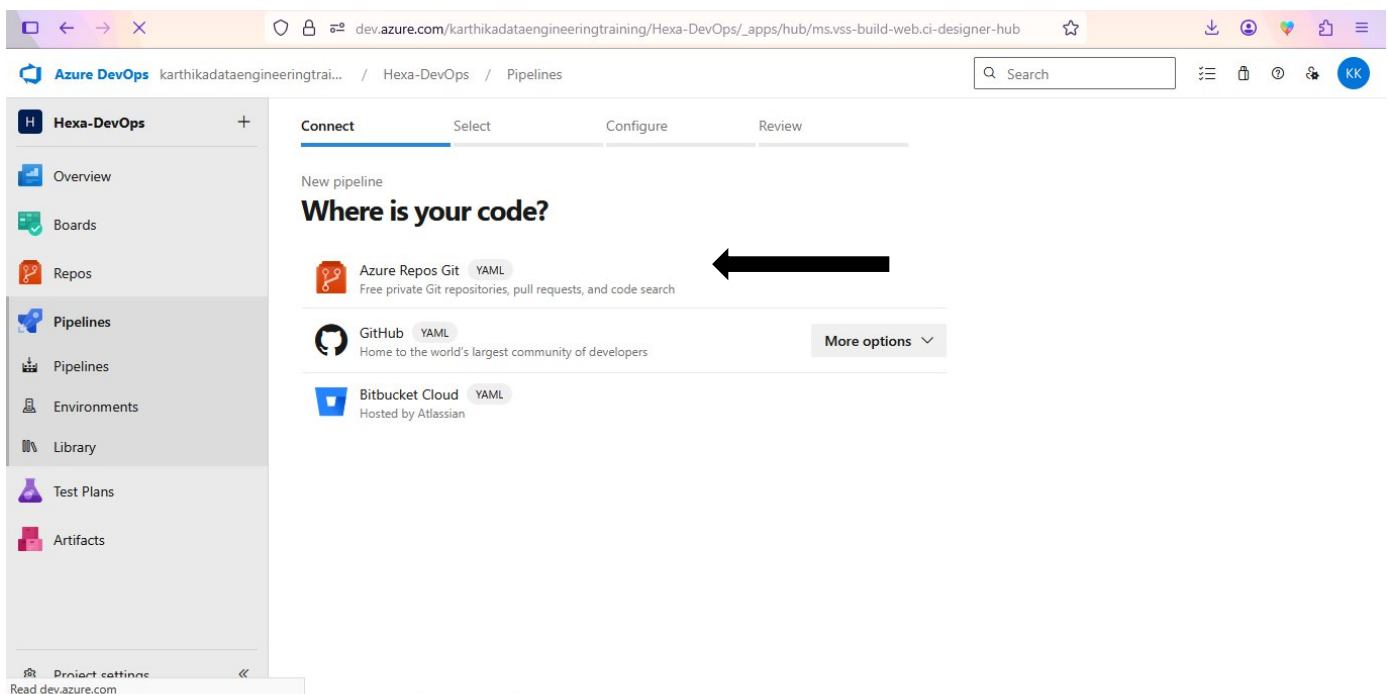
# PART 2 - Azure DevOps Git Setup

## 1.Create a Git Repo

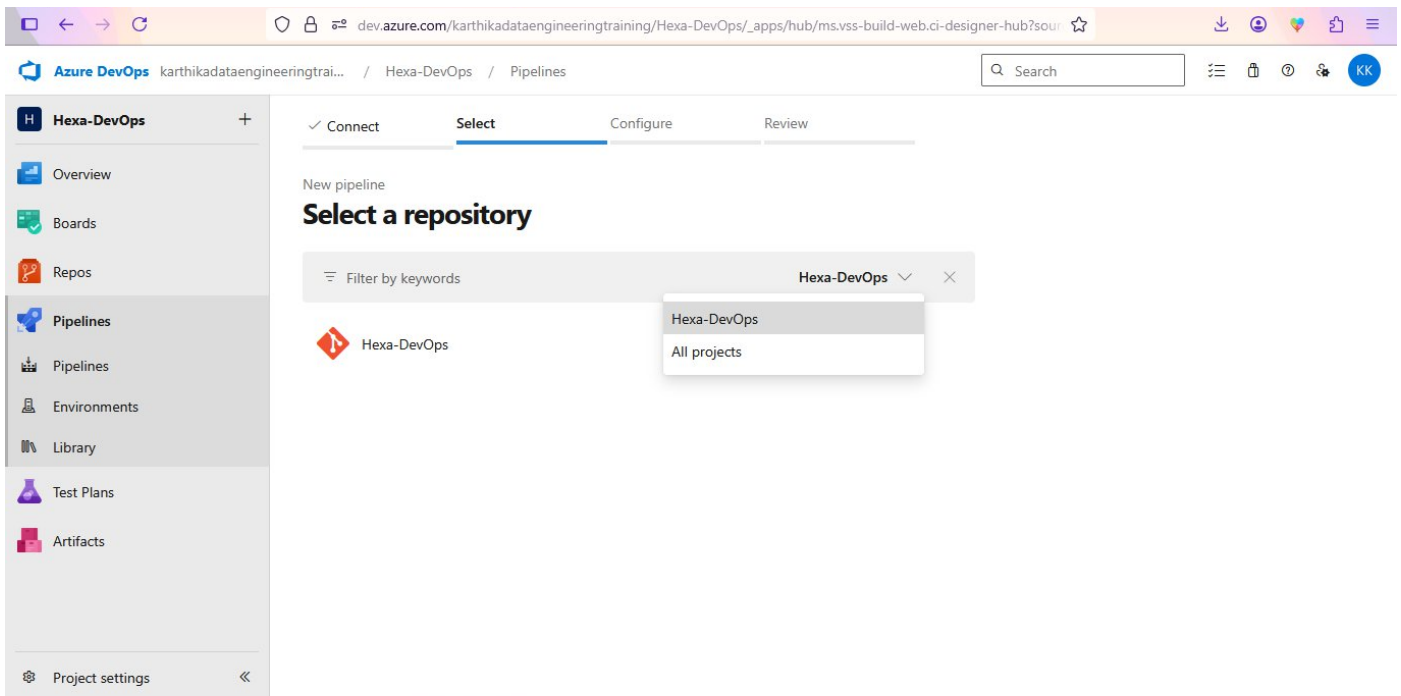


# PART 3 - Configure CI/CD Pipeline

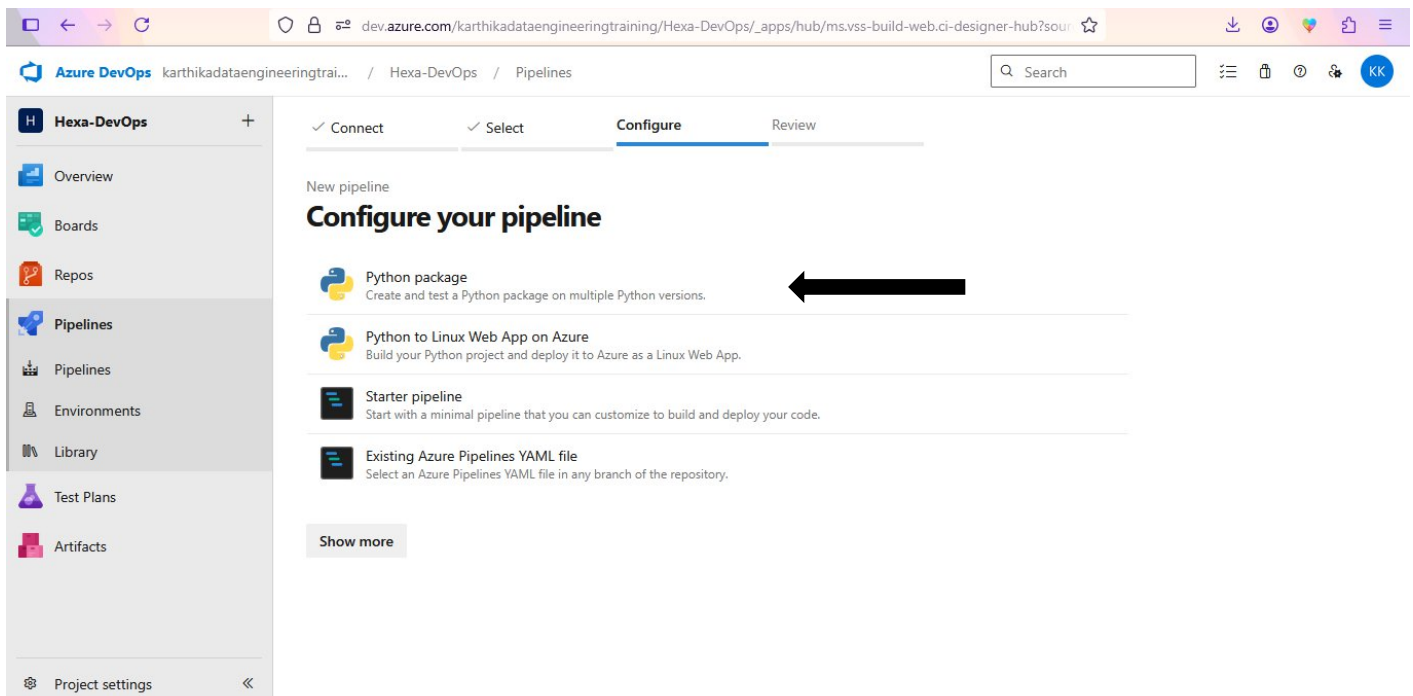
**Step-1:** Select the Version control system (VCS) to continue. In my case it is Azure Repo Git.



**Step-2:** Select the respective repo at which the code, datasets are present. In my case it is present in Hexa-DevOps



**Step-3:** Then select python package to configure the pipeline.



#### Step-4: Ensure the YAML file configured properly

New pipeline

## Review your pipeline YAML

Hexa-DevOps / azure-pipelines.yml \*

```
1 trigger:
2   - main
3
4 pool:
5   vmImage: 'ubuntu-latest'
6
7 steps:
8   Settings
9   - task: UsePythonVersion@0
10    inputs:
11      versionSpec: '3.x'
12
13   - script: python src/app.py
14     displayName: 'Run Banking Application Placeholder'
```

#### Step-5: And then we can see the summary of the pipeline and it is scheduled to run with the configured agent.

Azure DevOps karthikadataengineeringtrai... / Hexa-DevOps / Pipelines

Search

Hexa-DevOps +

- Overview
- Boards
- Repos
- Pipelines
- Pipelines
- Environments
- Library
- Test Plans
- Artifacts



Project settings <<

### Pipelines

Recent All Runs

Filter pipelines

Recently run pipelines

Pipeline	Last run
 Hexa-DevOps	#20250829.1 • Set up CI with Azure Pipelines Individual CI for  master 1h ago <1s