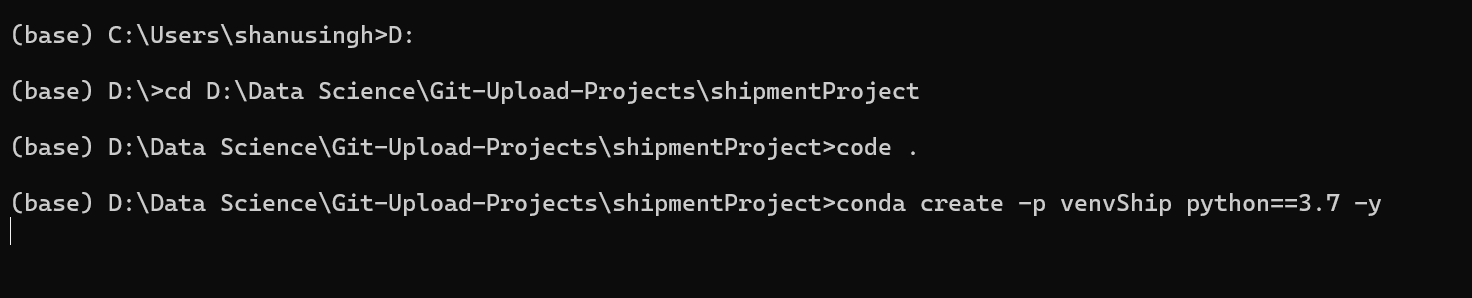
Shipment Cost Prediction:

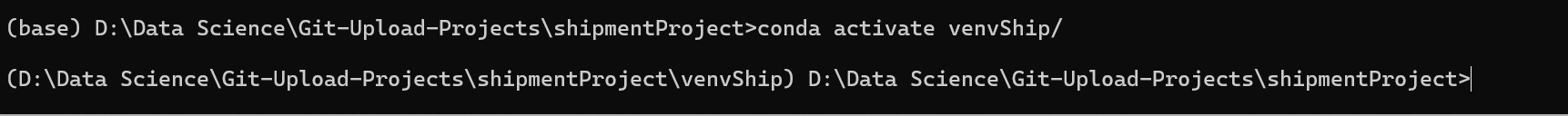
Data: shipment data is available on git hub link : <https://www.kaggle.com/code/klmsathishkumar/shipping-cost-prediction/input>

It is downloaded in local computer and placed in the data folder

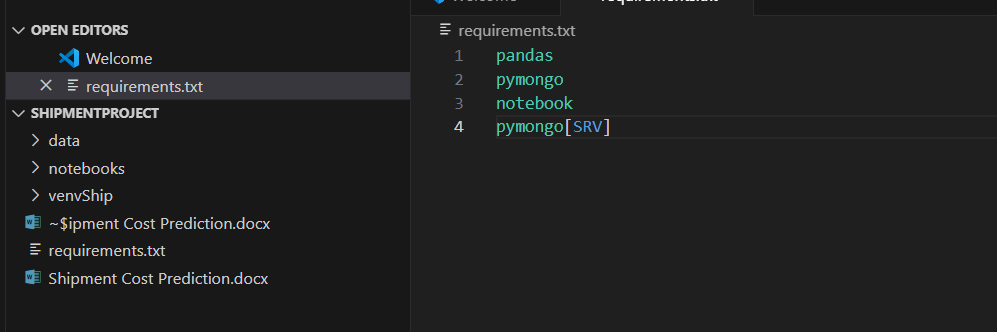
**Create the notebooks folder:**

Open the project directory “shipmentProject”, vs code and create venvShip using python v-3.7.

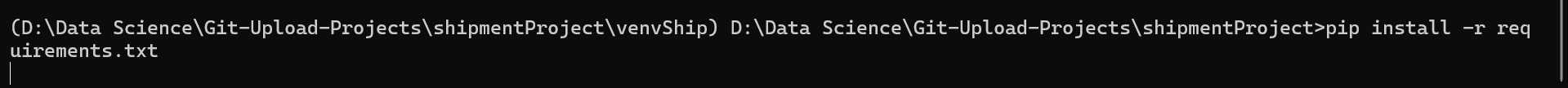
After creation venvship then activated



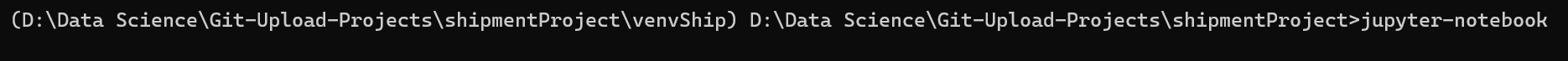
Create the **requirements.txt** file



install



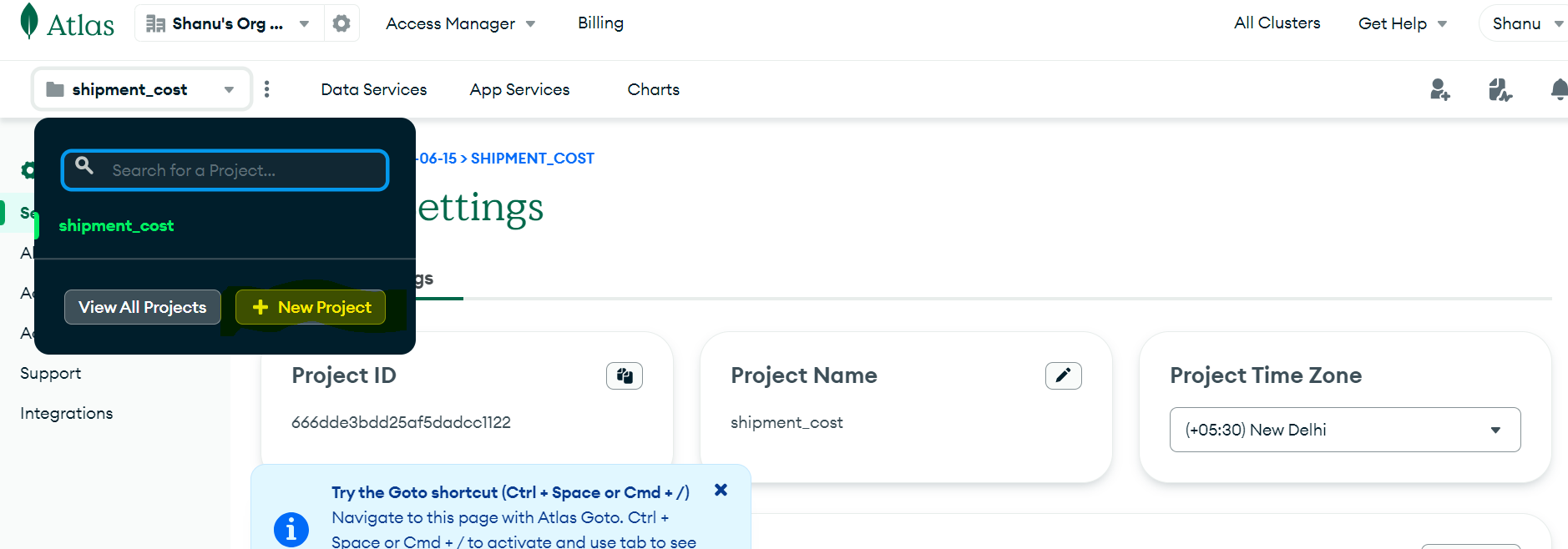
Open the jupyter notebook

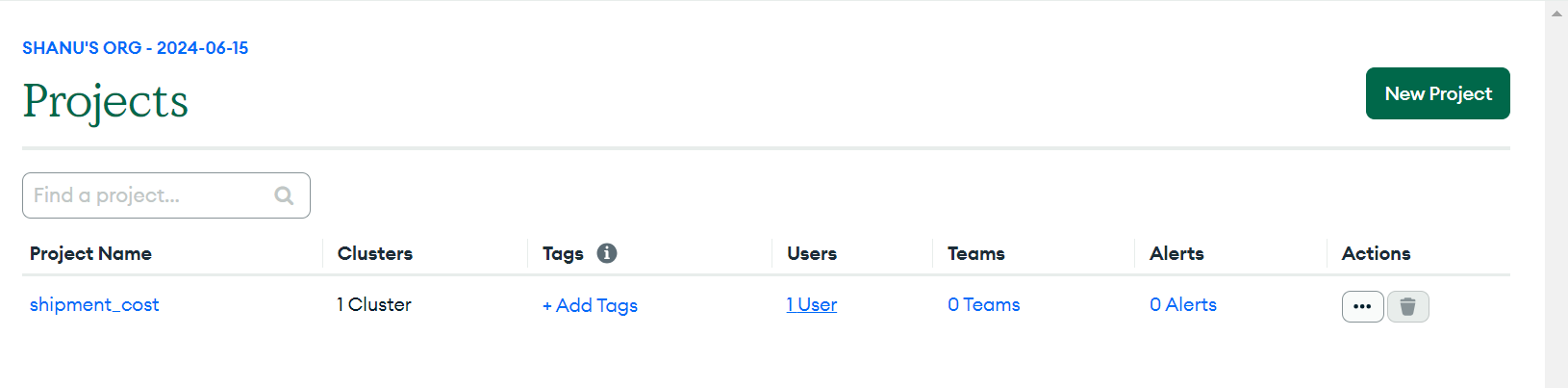


Create the accounts on mongoDB for storing the database:

<https://cloud.mongodb.com/v2/666dde3bdd25af5dadcc1122#/clusters>

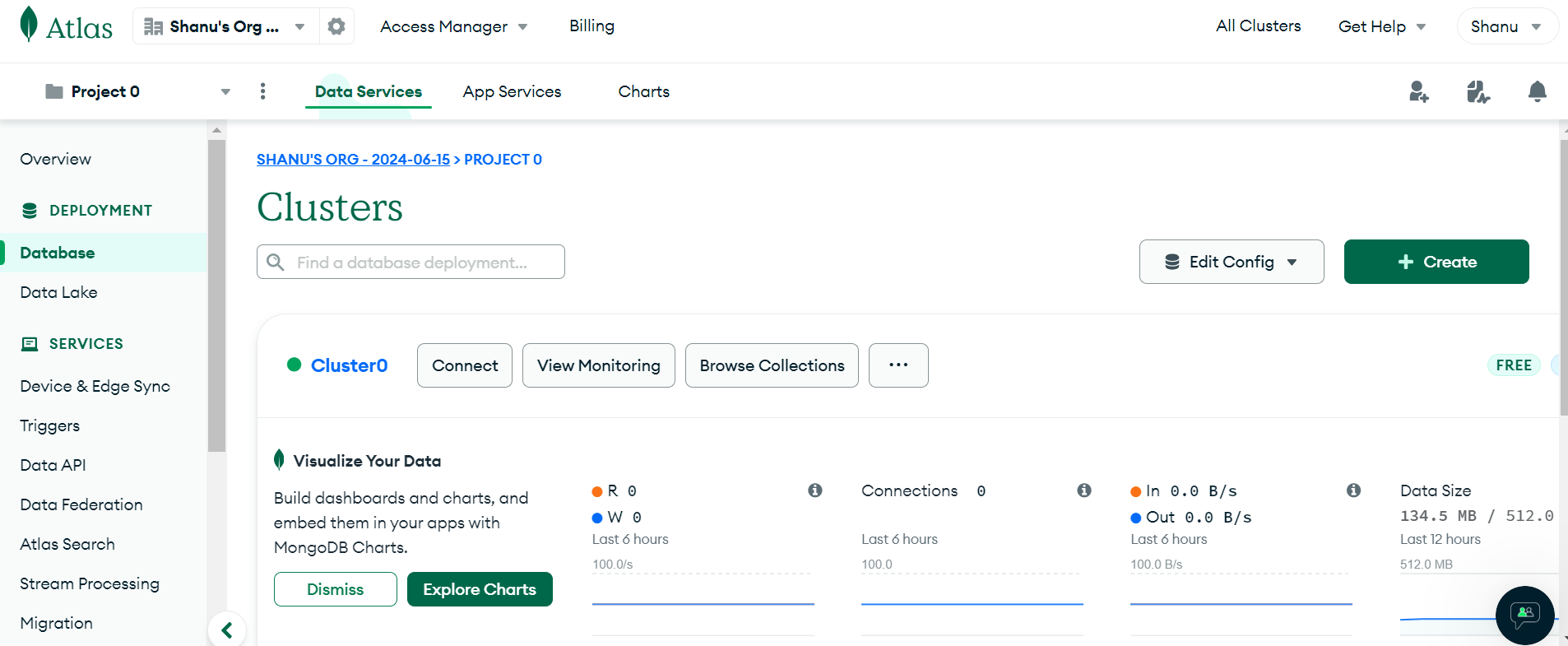
Create the project name like shipment\_cost



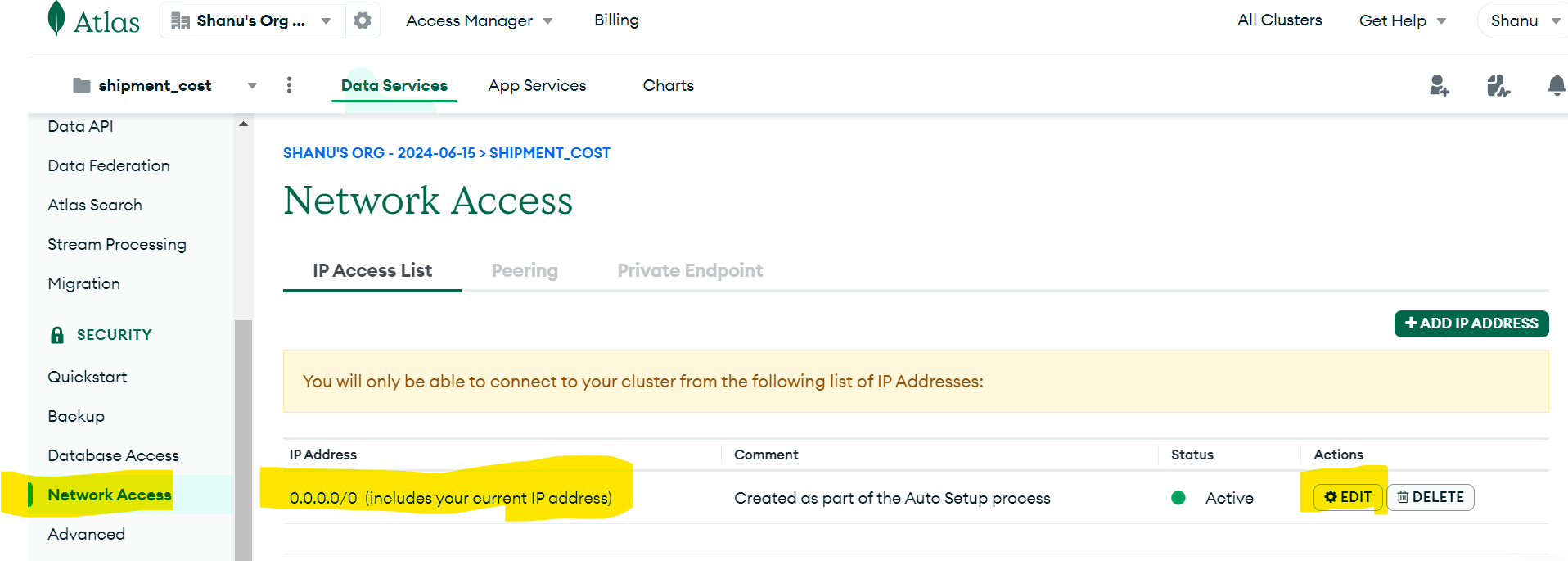


Then create the cluster free or chargeable

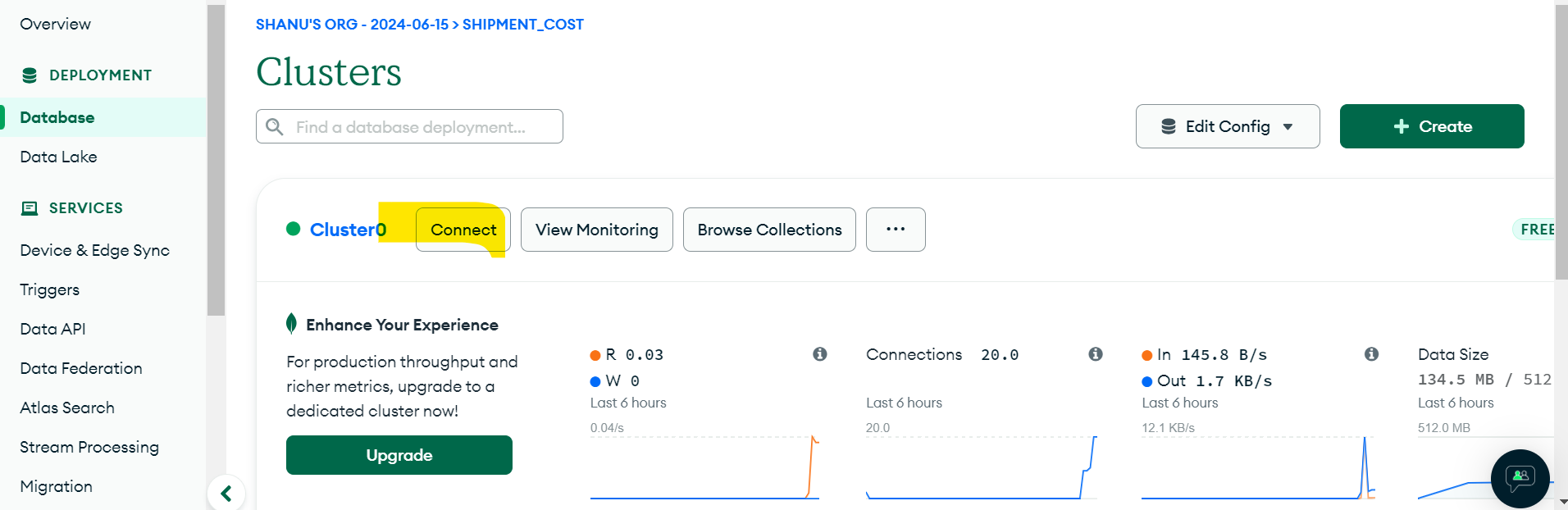
Now connect the cluster:



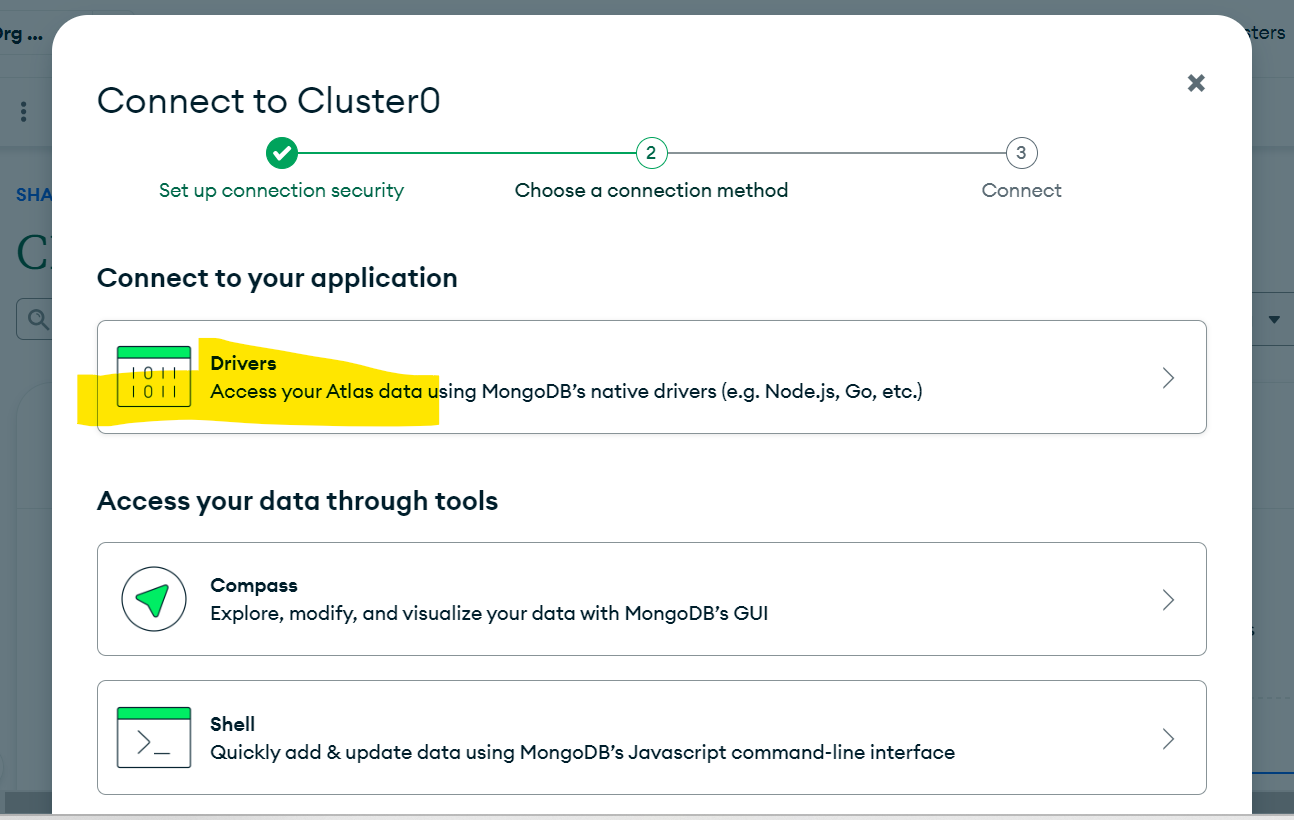
Setup the IP access list



Connect the Cluster with python



Click on the driers



Select the Python and version as per environment and copy the code from point no.3

mongodb+srv://singhshanu1988:<password>@cluster0.thdhokm.mongodb.net/?retryWrites=true&w=majority&appName=Cluster0

To replace the password with real password and define the project name e.g.

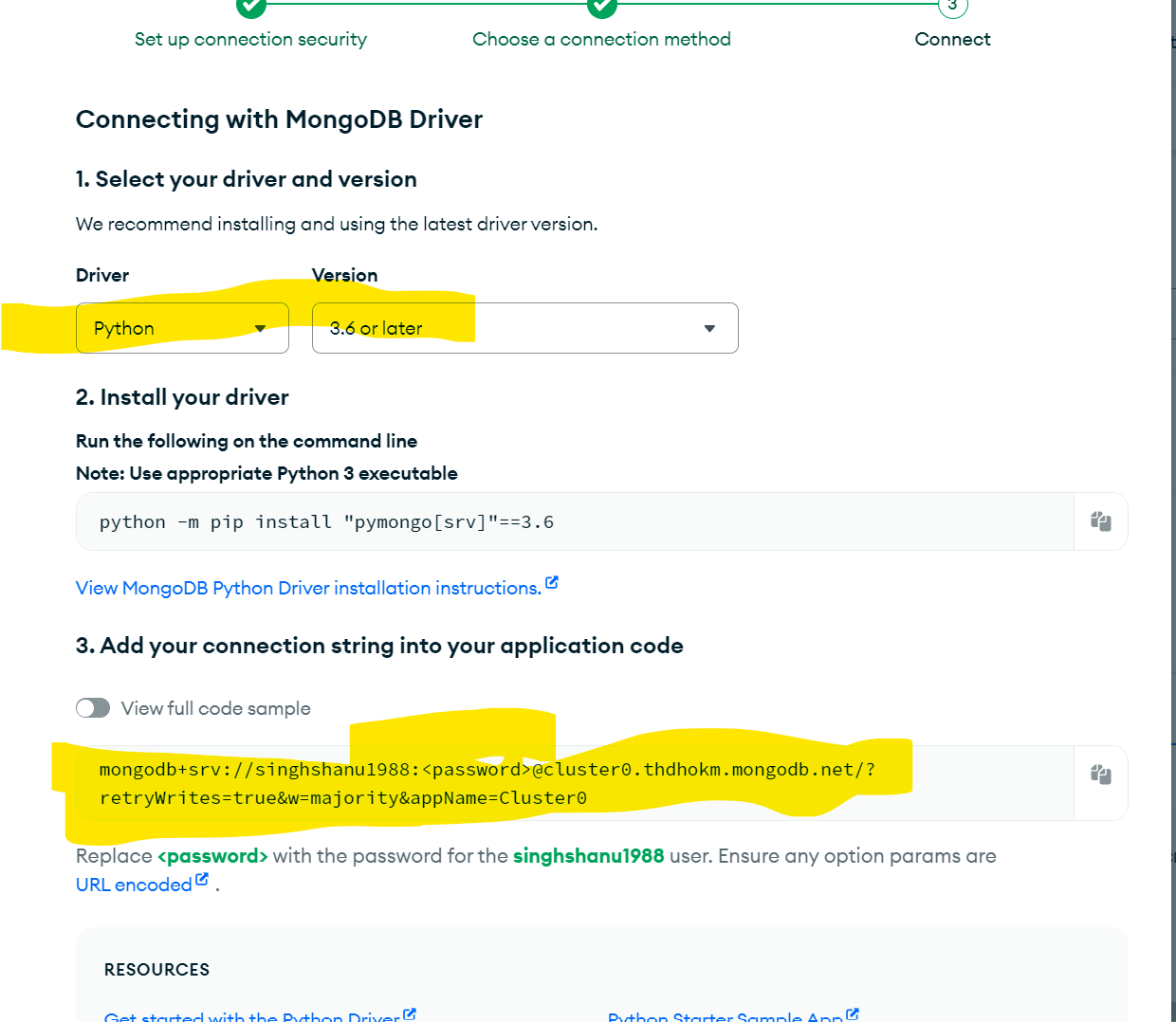
ProjectName: shipment\_cost

Database

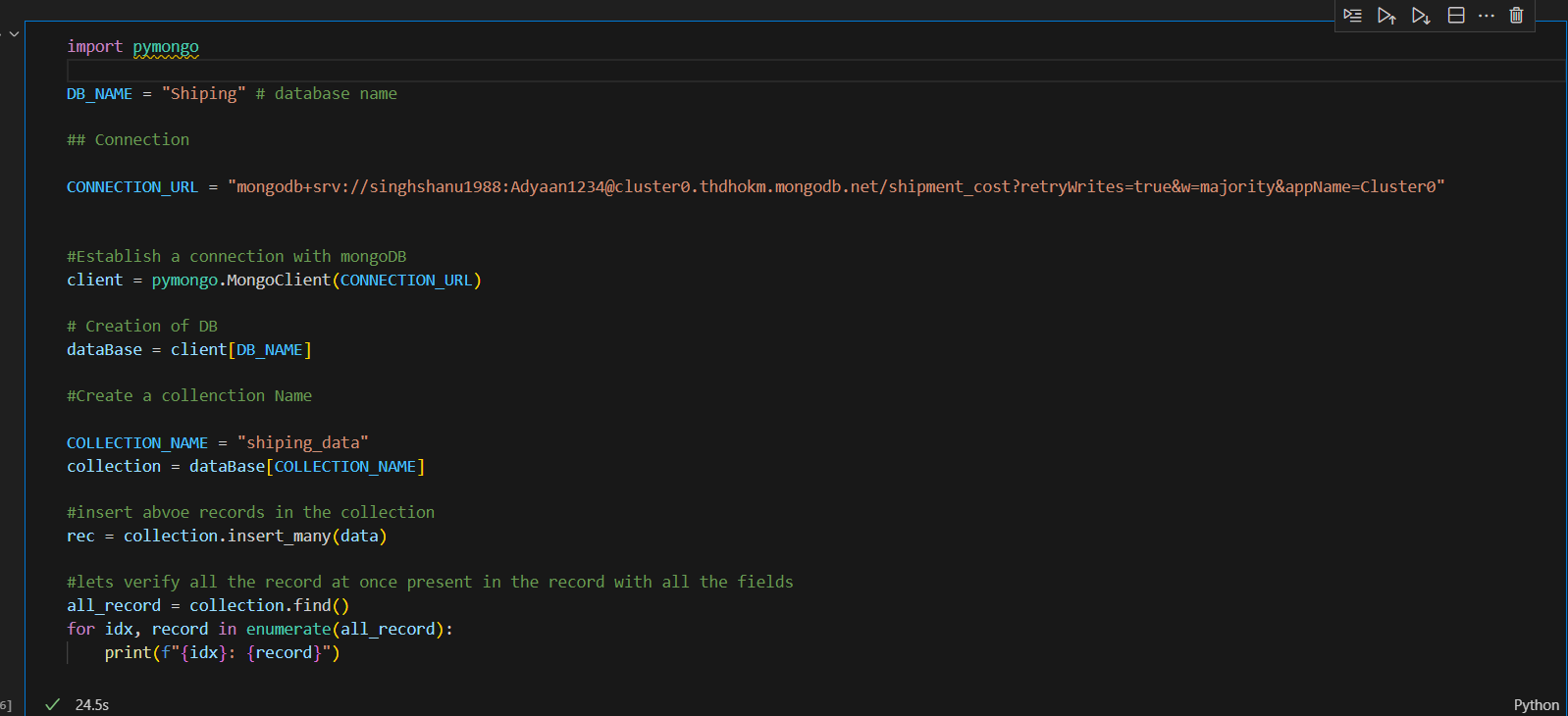
**Username:** singhshanu1988

**Password:** Adyaan1234

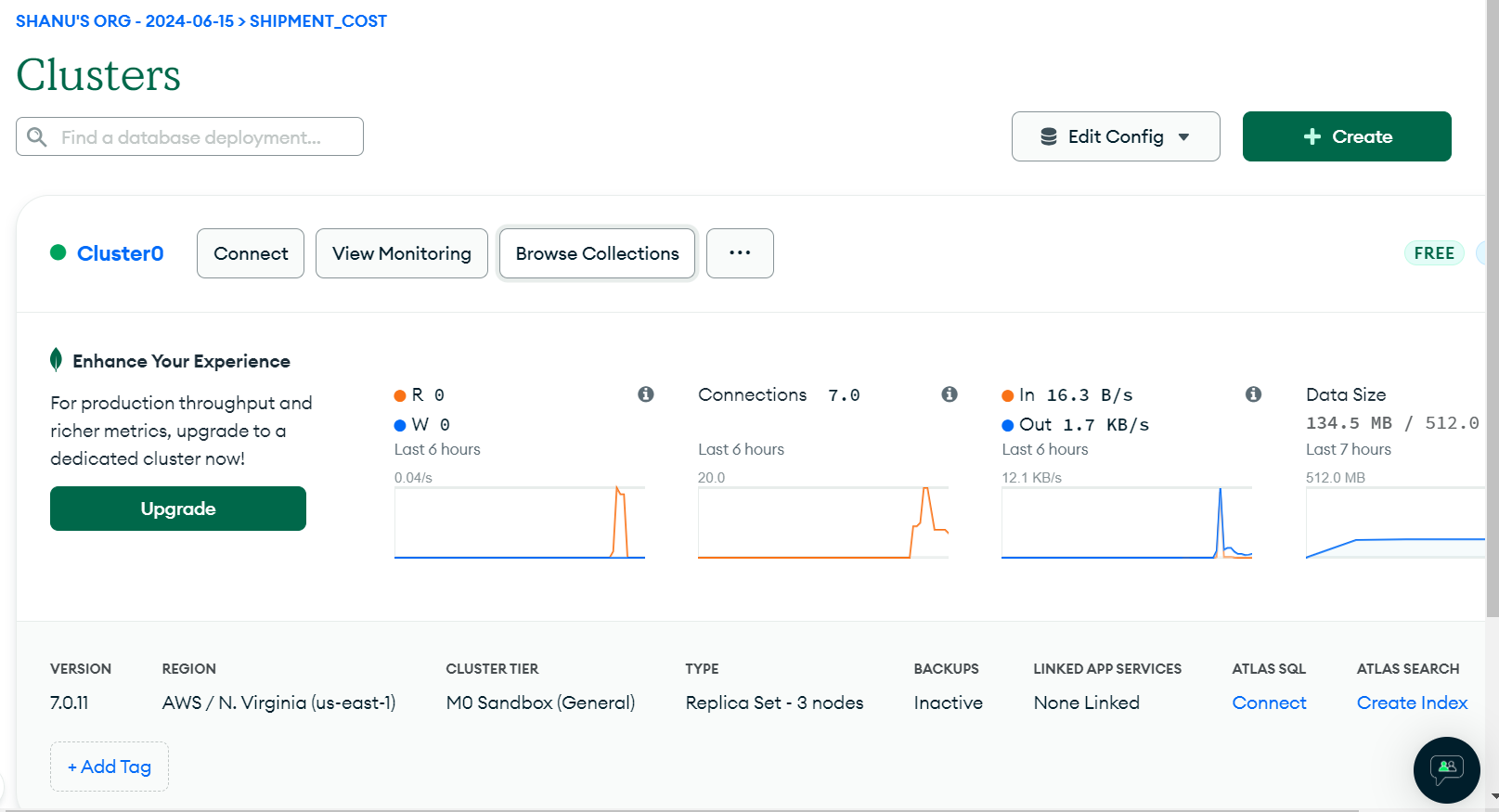
mongodb+srv://singhshanu1988:**Adyaan1234**@cluster0.thdhokm.mongodb.net/ **shipment\_cost**?retryWrites=true&w=majority&appName=Cluster0



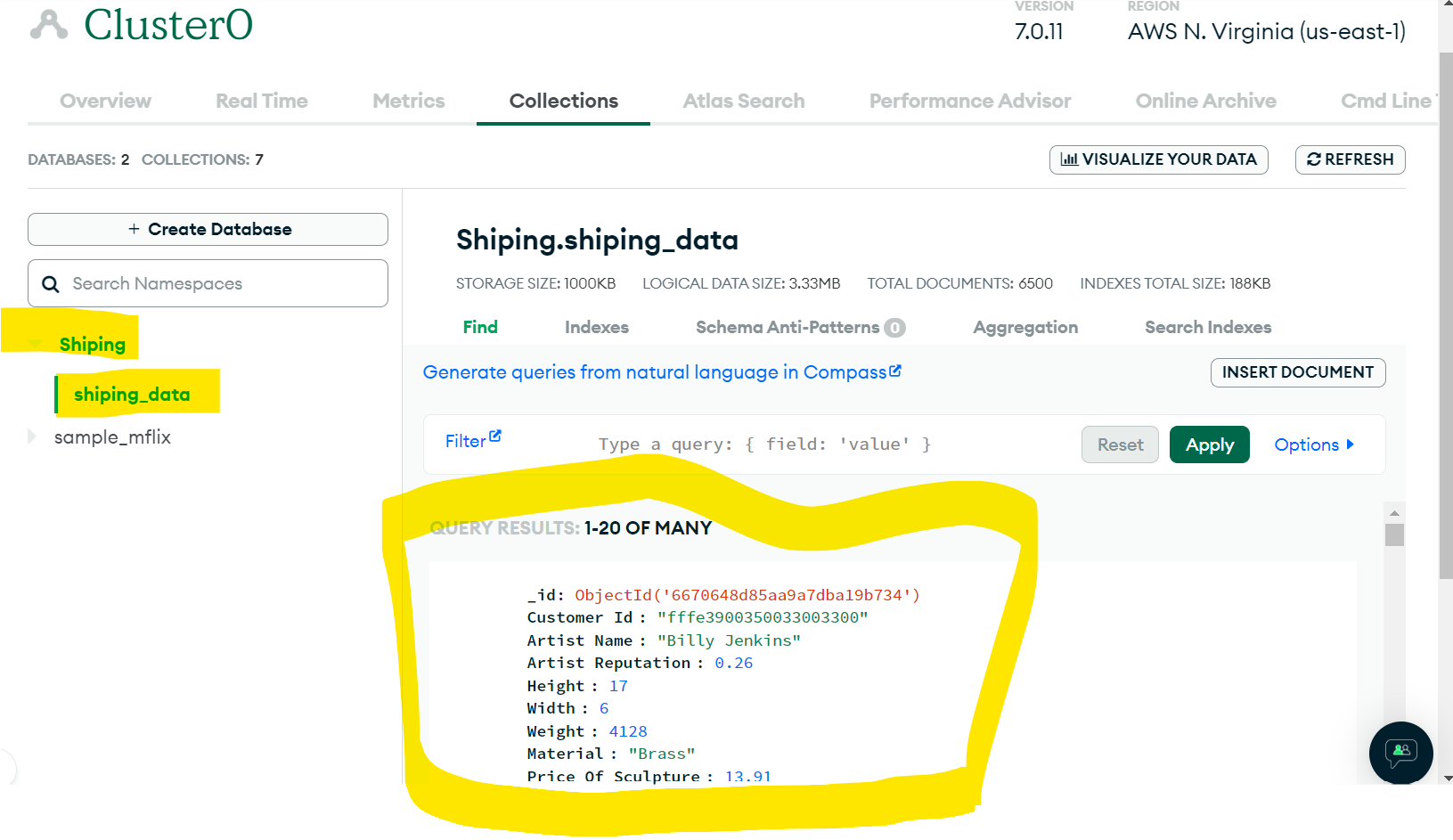
Run the code



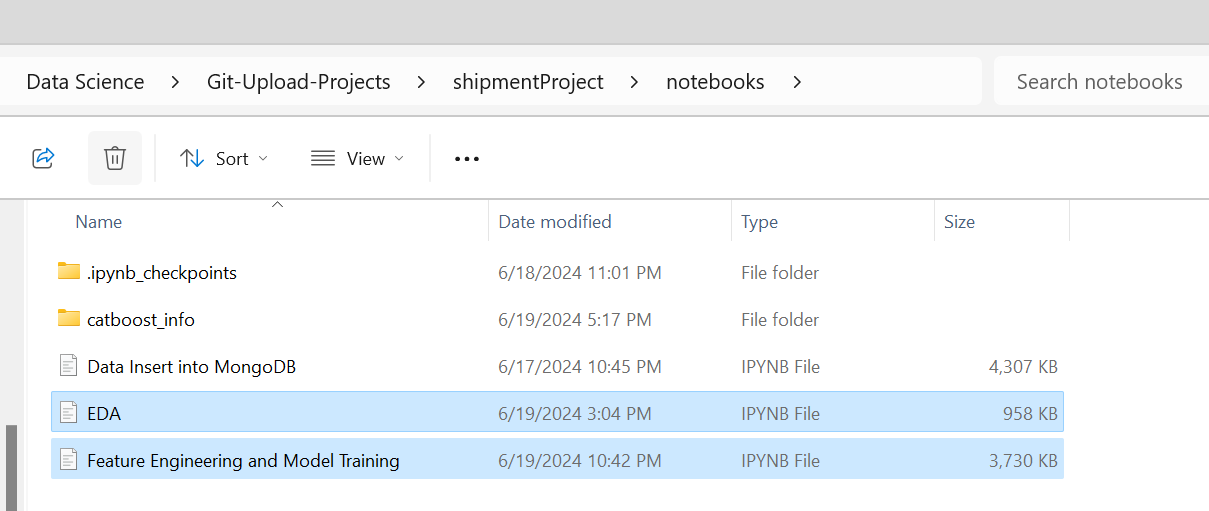
To check the database click on the **Browse Collection**



We can see the data is successfully inserted

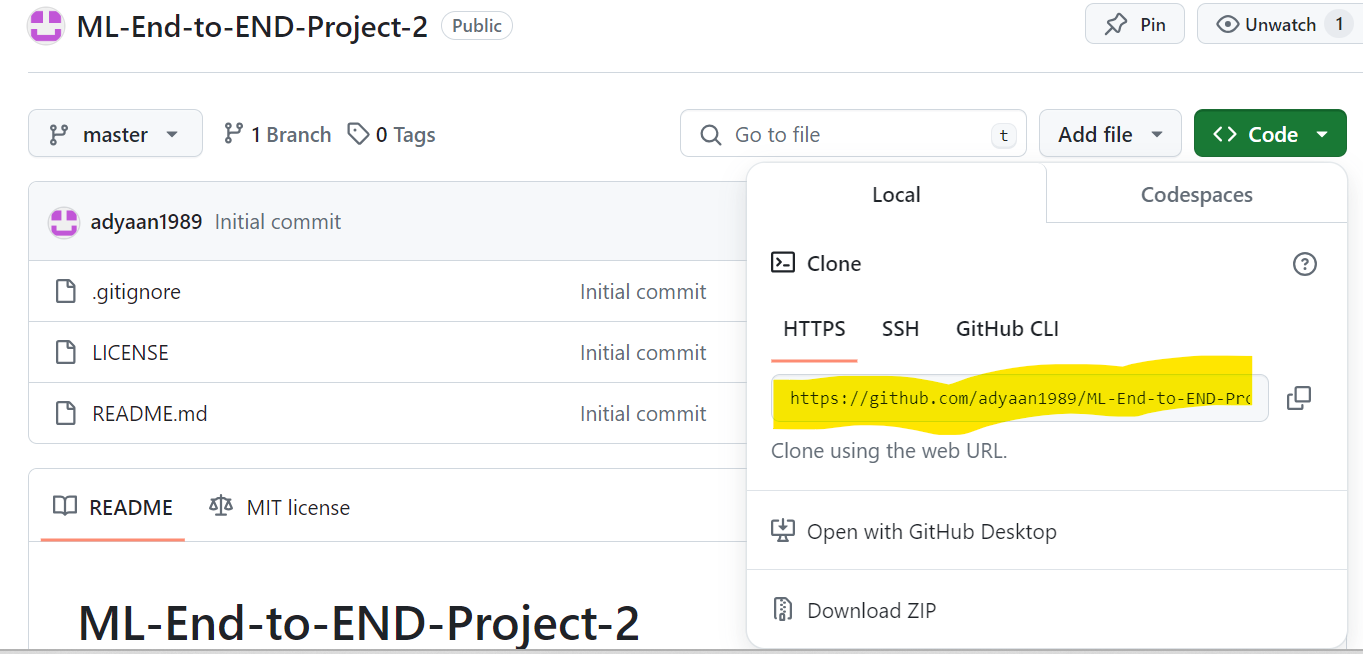


**Do the EDA and Model Building Part on Jupyter notebook**



# Create the repository on Github

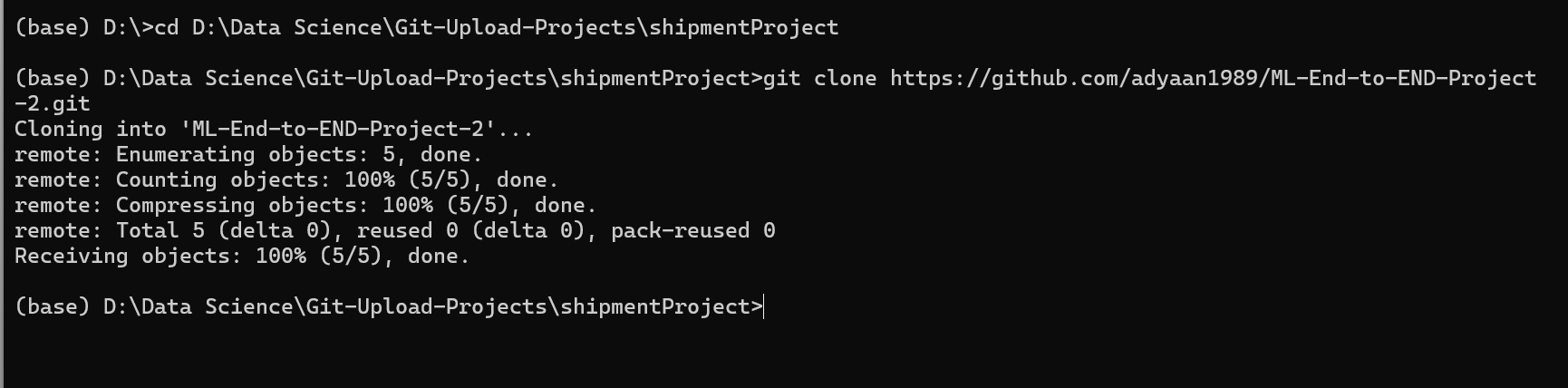
Copy the link as yellow highlighted



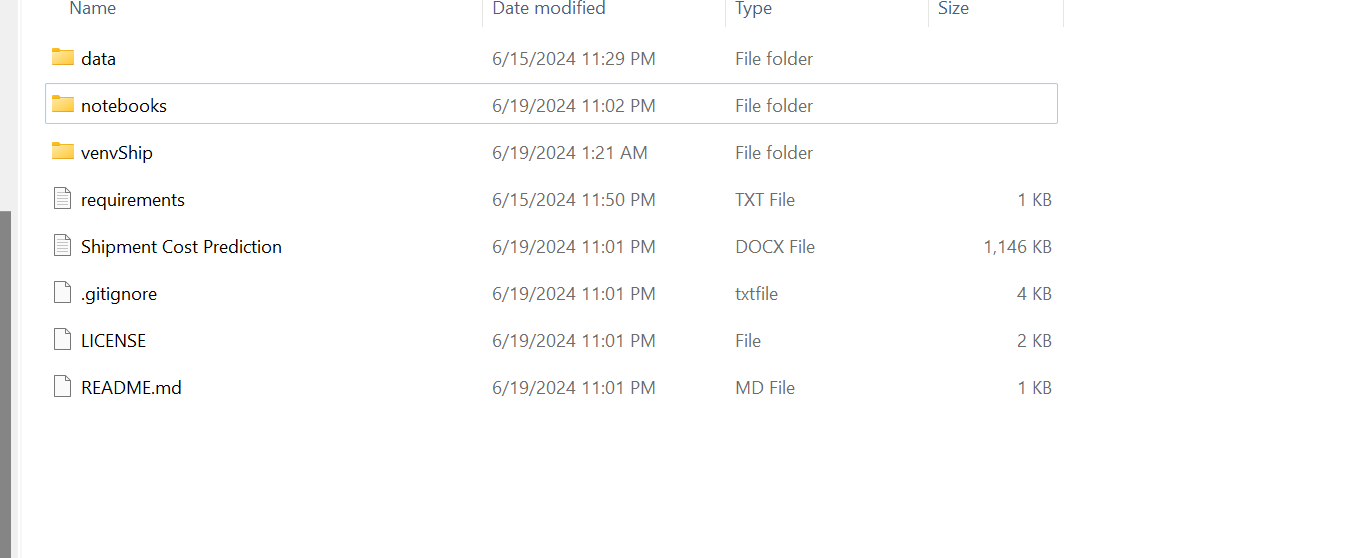
Now open the Conda Prompt

And run the below command:

git clone <https://github.com/adyaan1989/ML-End-to-END-Project-2.git>



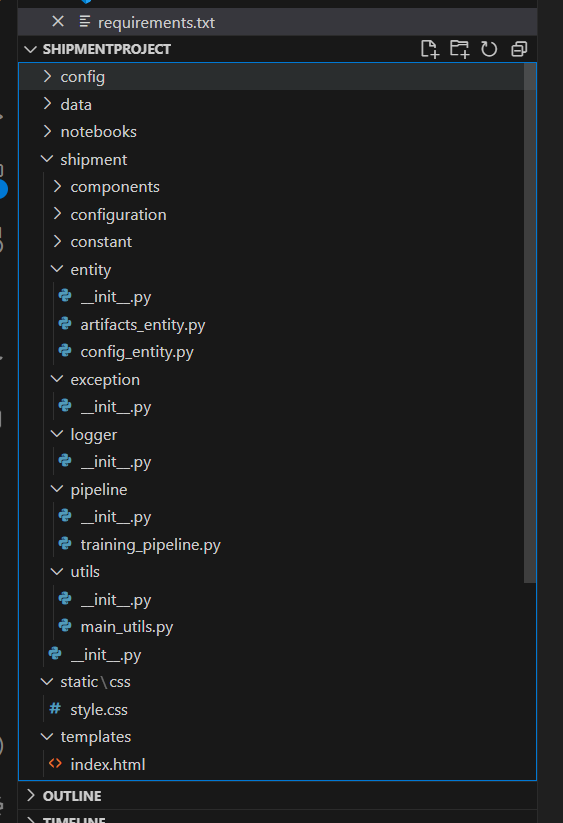
The git folder is downloaded in project folder



**Create the setup.py, Dockerfile, .dockerignore and app.py.**

**Also create folder config > model.yaml & schema.yaml**

**Folder shipment > \_\_init\_\_.py > folder components > \_\_init\_\_.py > data\_ingestion.py > data\_validation.py > data\_transformation.py > model\_trainer.py > model\_evaluation.py > model\_predictor.py > model\_pusher.py**

****

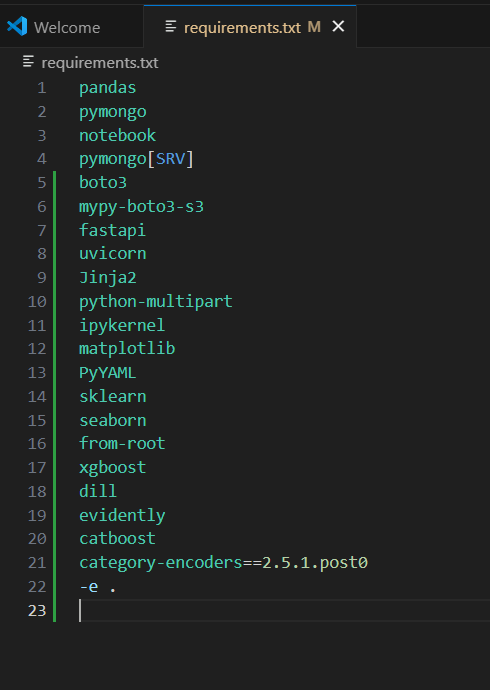
Now push the changes to git hub with following commands

git add .

git commit -m "project stracture added"

git push origin main

update the requirements.txt file with packages



Update the setup.py file

Install the requirements

pip install -r requirements.txt

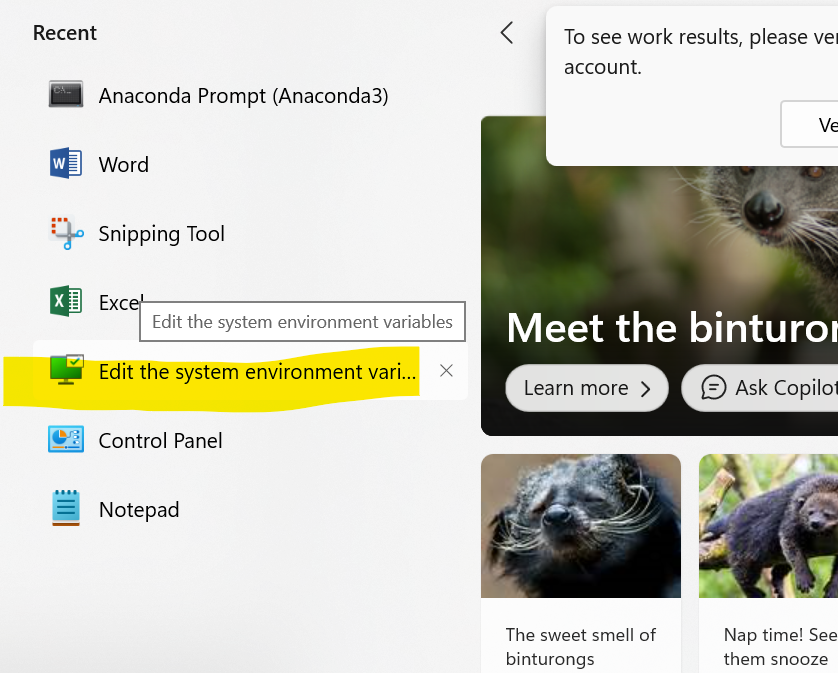
update the logger

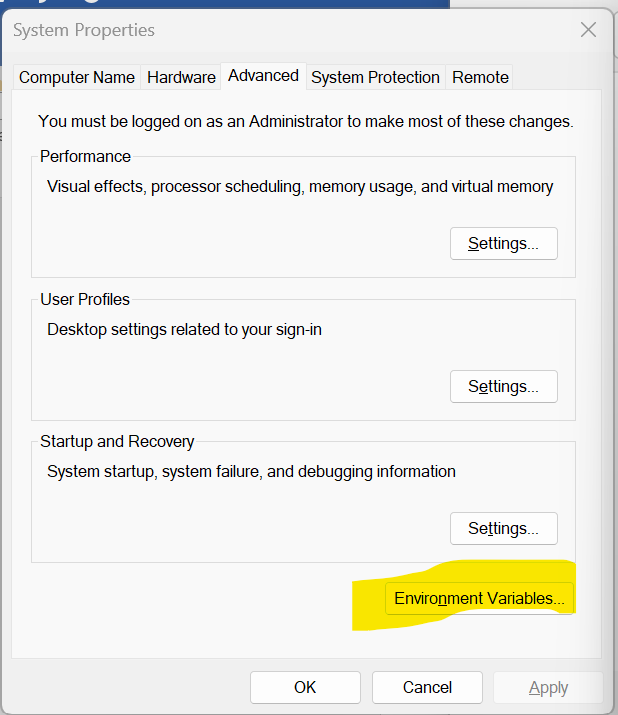
update the exception

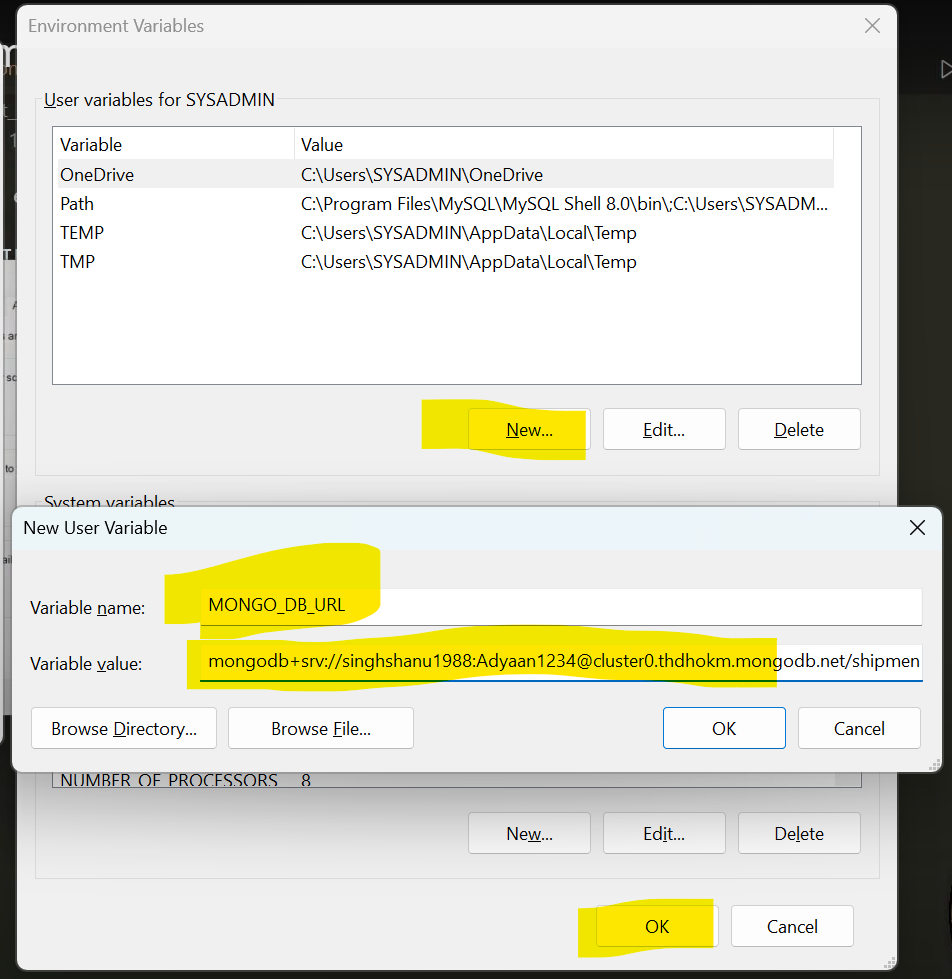
update the utils > main\_utils.py

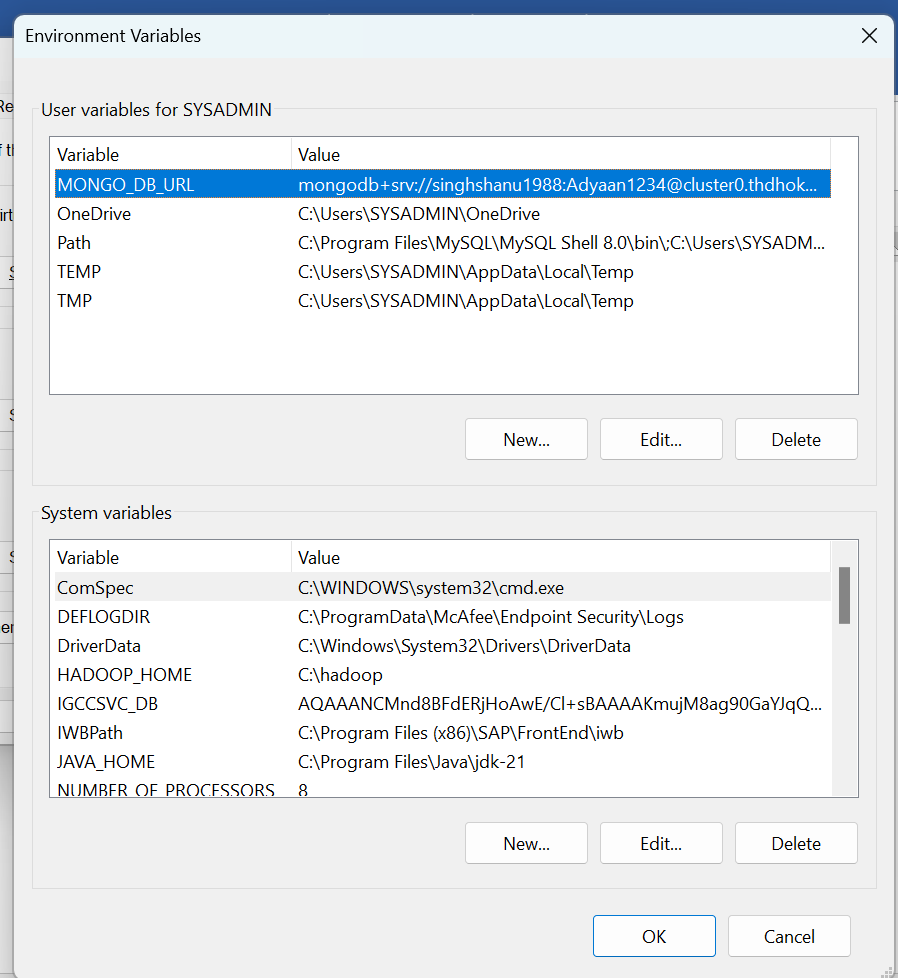
update the constant> \_\_init\_\_.py

also update the mongoDB URL into local Machine > environment









**After setting the environment then restart the vs code or computer**

Update the components -> data\_ingestion.py

Update the Entity > config\_entity.py

Update the Entity > artifacts\_entity.py

Update the components -> data\_ingestion.py (2nd time)

Update the pipeline > training\_pipeline.py

Update the app.py file

Data\_validation.py