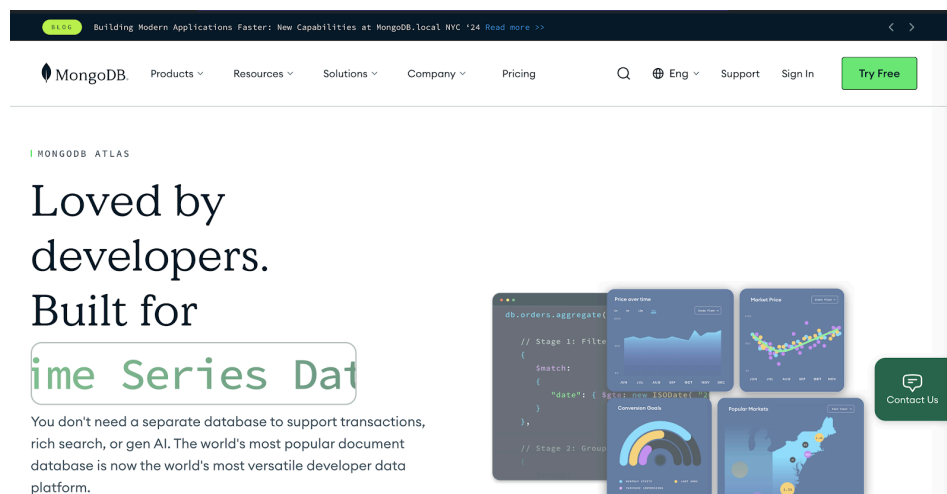


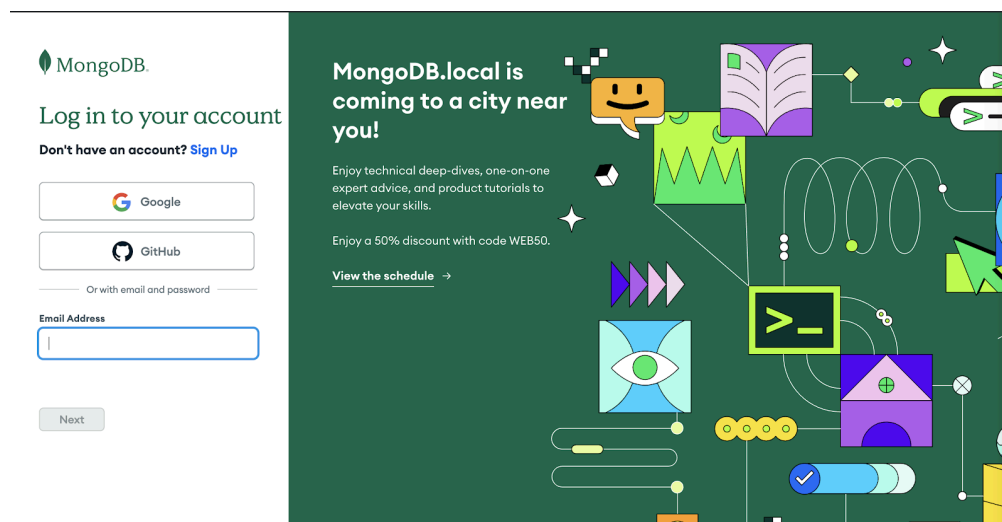
OPEN LLM DAY 1.0

GUIDE FOR CREATING MONGODB ACCOUNT & CREDENTIALS FOR WORKSHOP

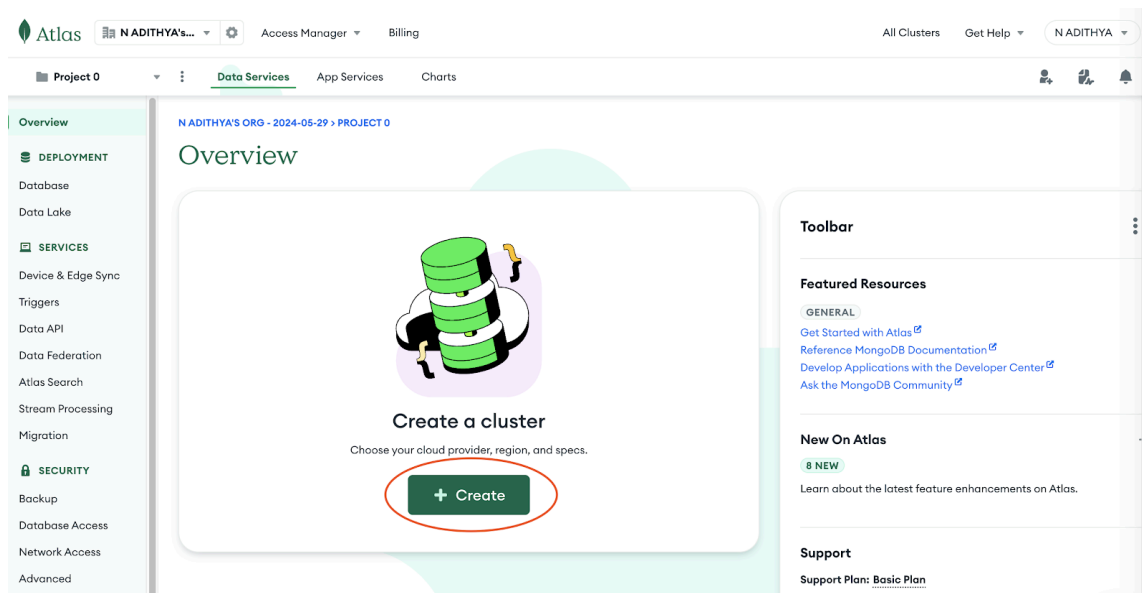
STEP 1 - Go to mongoDB website(<https://www.mongodb.com/>)



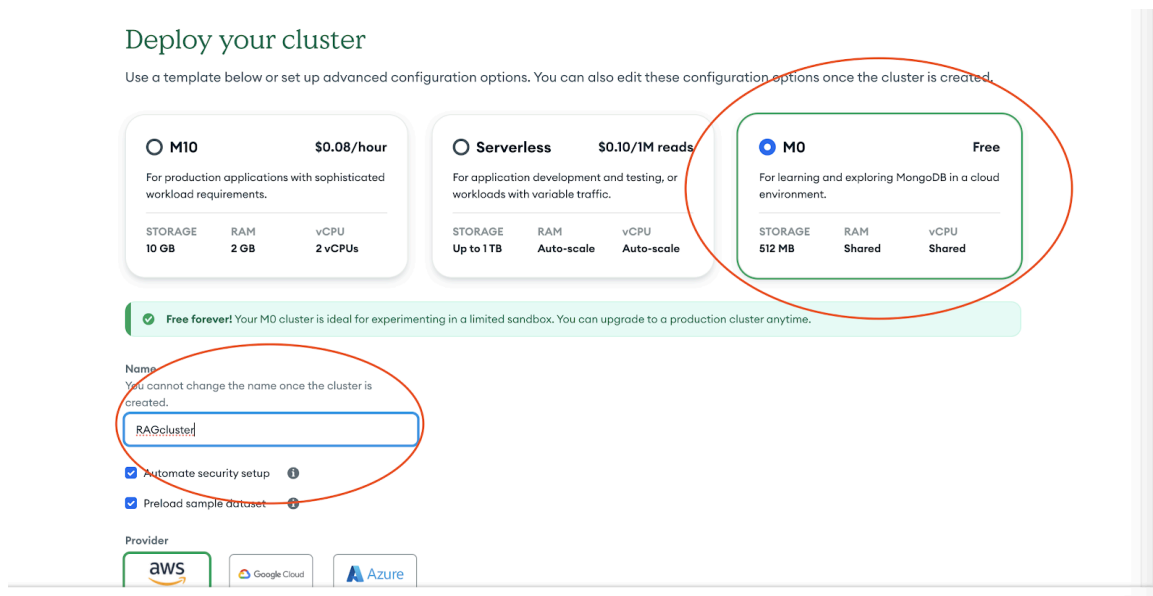
STEP-2 - Click on the sign in button and use email or oauth to sign up to mongoDB



STEP-3 - Go to home page and click on the create cluster button



STEP-4 - Select M0 Free cluster with any name you prefer



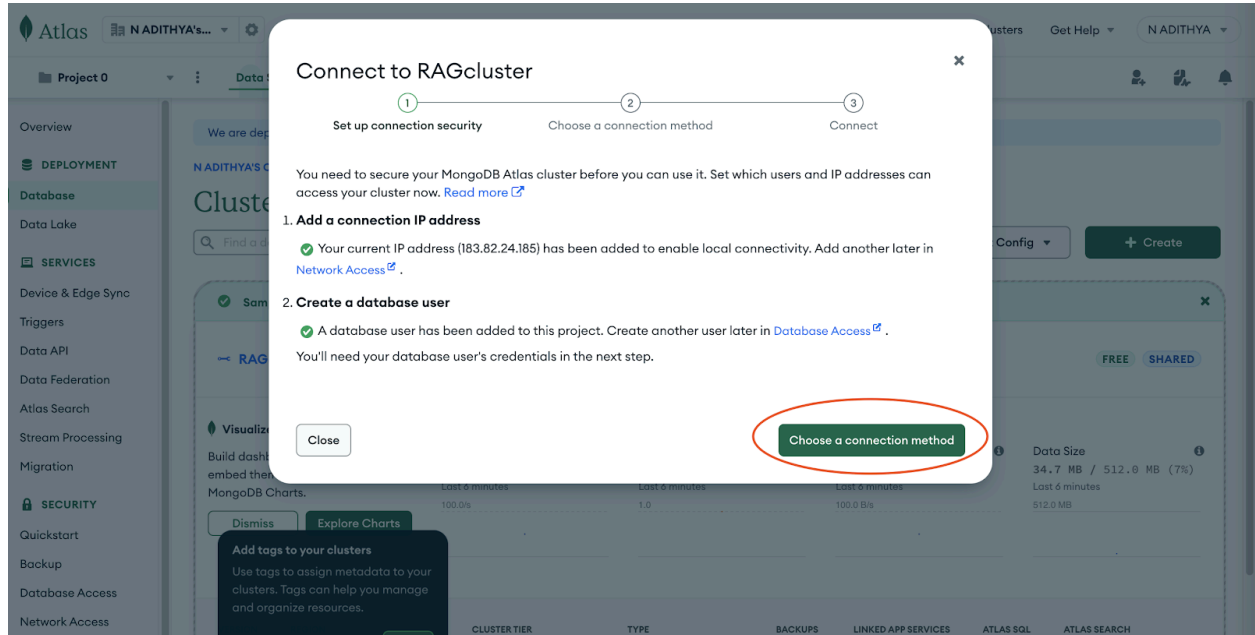
STEP-5 - Leave rest of the options as default and click create deployment

A screenshot of the MongoDB Atlas deployment configuration page. At the top, a green banner states: "Free forever! Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime." Below this, the "Name" field is set to "RAGcluster". Two checkboxes are checked: "Automate security setup" and "Preload sample dataset". Under "Provider", the "aws" option is selected. The "Region" is set to "Mumbai (ap-south-1)". A "Tag" section is present but empty. At the bottom right, the "Create Deployment" button is circled in red.

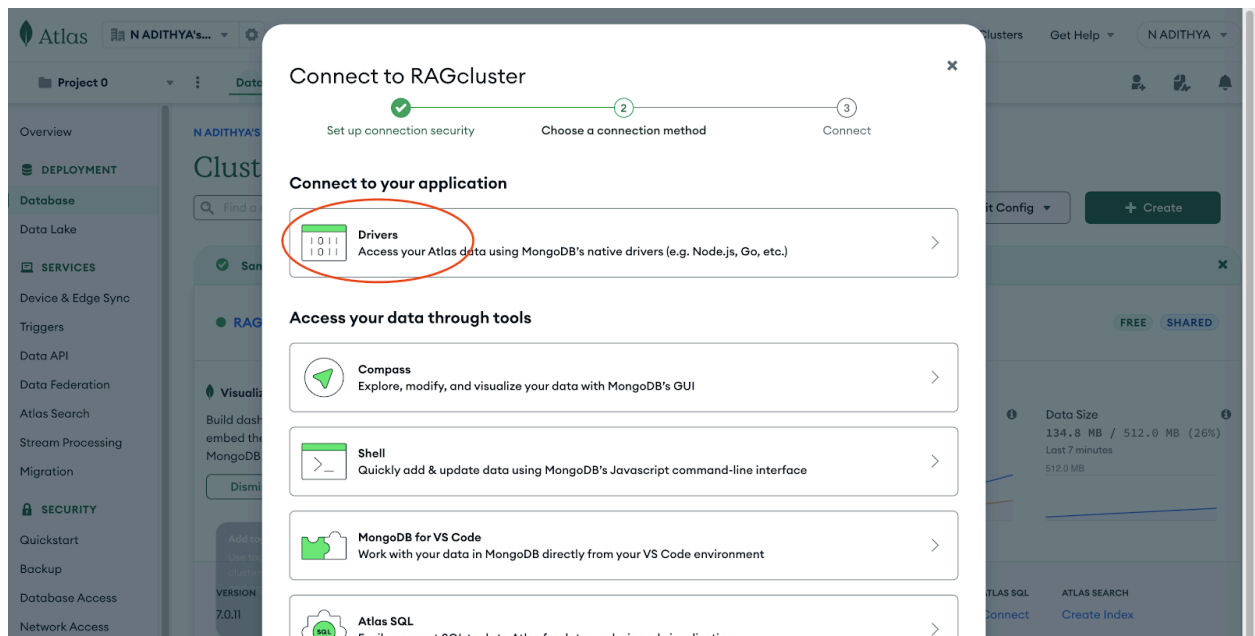
STEP-6 - Now create a database user by providing username and password. Note down these username and password because this will be used for connecting with the mongo server later.

A screenshot of the "Connect to RAGcluster" dialog box in the MongoDB Atlas interface. The dialog shows a progress bar with three steps: "Set up connection security", "Choose a connection method", and "Connect". The "Set up connection security" step is active. It contains instructions to secure the cluster and lists two tasks: "1. Add a connection IP address" (which is completed) and "2. Create a database user". Under task 2, it shows an autogenerated username and password. The "Create Database User" button is circled in red.

STEP-7 - Press choose a connection method



STEP-8 - Click on drivers



STEP-9 - Copy the **connection string** and replace the <password> with the password which you noted down in the previous step.

Connect to RAGcluster

Set up connection security Choose a connection method **3 Connect**

Connecting with MongoDB Driver

1. Select your driver and version
We recommend installing and using the latest driver version.

Driver: Python Version: 3.12 or later

2. Install your driver
Run the following on the command line
Note: Use appropriate Python 3 executable
`python -m pip install "pymongo[srv]"`
[View MongoDB Python Driver installation instructions.](#)

3. Add your connection string into your application code
☐ View full code sample

`mongodb+srv://[redacted]:<password>@ragcluster.xvfitz.mongodb.net/?retryWrites=true&w=majority&appName=RAGcluster`

STEP-10 - Click on create Browse collections button

Atlas N ADITHYA'S...

Access Manager Billing All Clusters Get Help N ADITHYA

Project 0 Data Services App Services Charts

Overview DEPLOYMENT Database Data Lake SERVICES Device & Edge Sync Triggers Data API Data Federation Atlas Search Stream Processing Migration SECURITY Quickstart Backup Database Access

N ADITHYA'S ORG - 2024-05-29 > PROJECT 0

Clusters

Find a database deployment...

Edit Config Create

Sample dataset successfully loaded. Access it in Collections or by connecting with the MongoDB Shell.

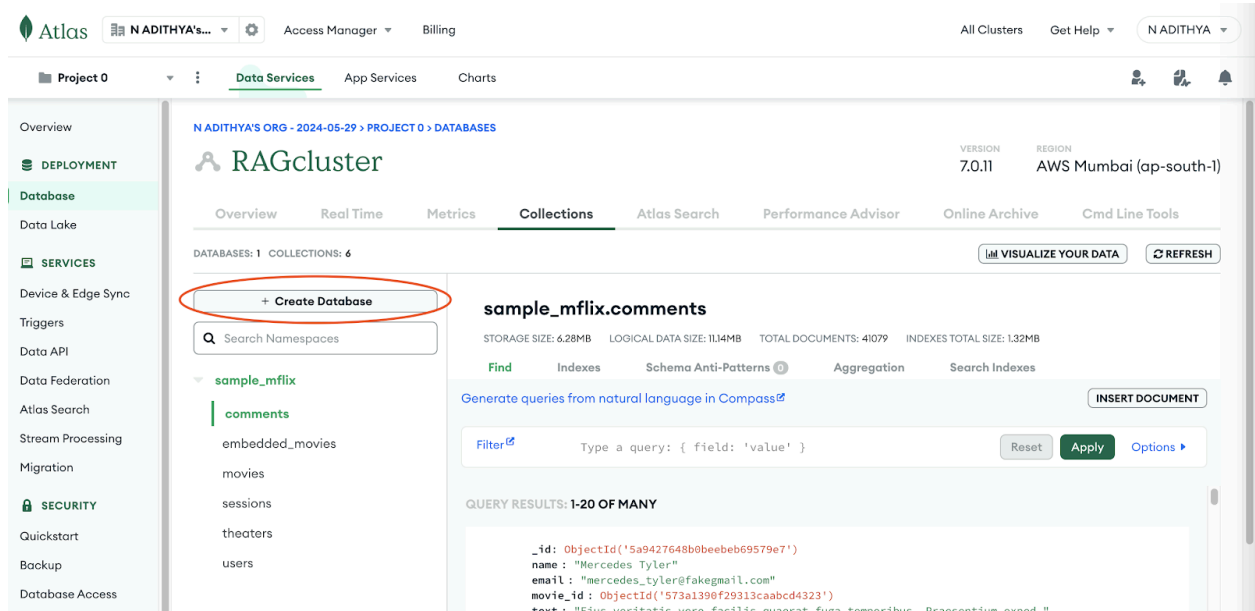
RAGcluster Connect View Monitoring **Browse Collections** ... FREE SHARED

Visualize Your Data
Build dashboards and charts, and embed them in your apps with MongoDB Charts.
Dismiss Explore Charts

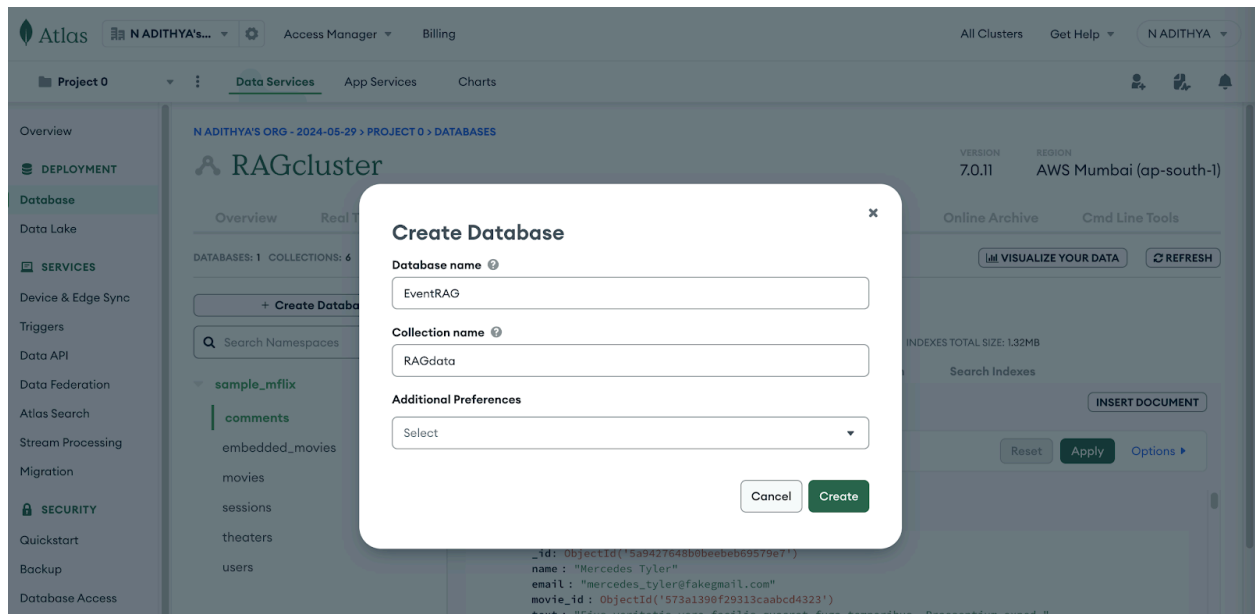
R 0 W 1.4 Last 11 minutes 1.4/s
Connections 0 Last 11 minutes 2.0
In 19.4 B/s Out 45.1 B/s Last 11 minutes 369.3 B/s
Data Size 134.8 MB / 512.0 MB (26%) Last 11 minutes 512.0 MB

VERSION	REGION	CLUSTER TIER	TYPE	BACKUPS	LINKED APP SERVICES	ATLAS SQL	ATLAS SEARCH
7.0.11	AWS / Mumbai (ap-south-1)	M0 Sandbox (General)	Replica Set - 3 nodes	Inactive	None linked	Connect	Create Index

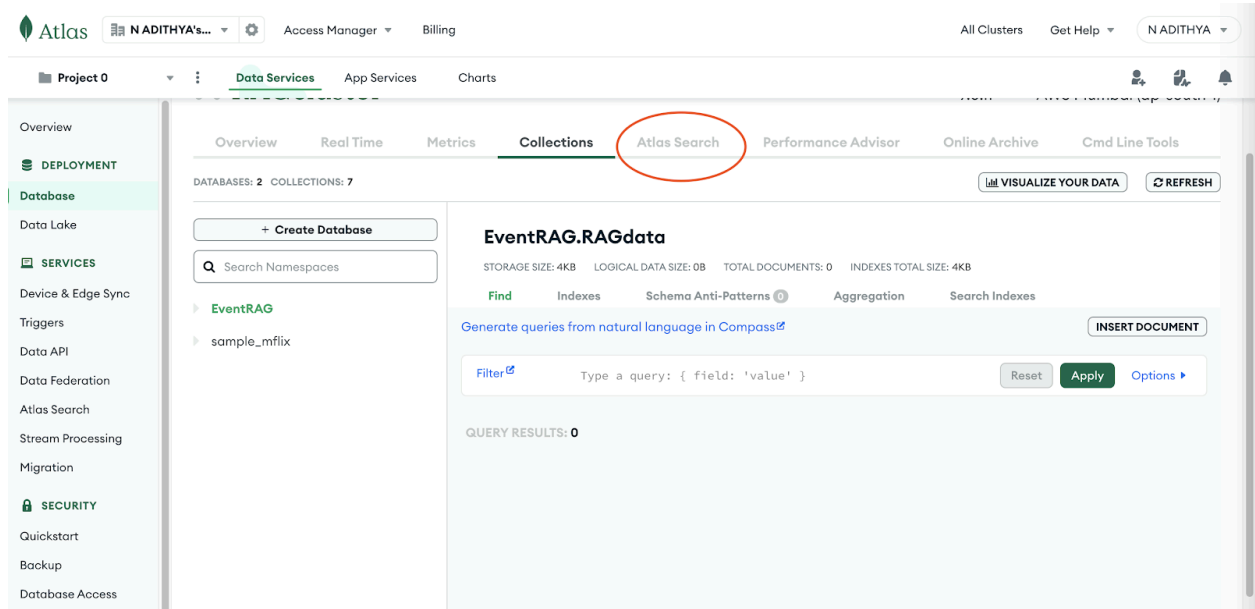
STEP-11 - Click on the Create Database button



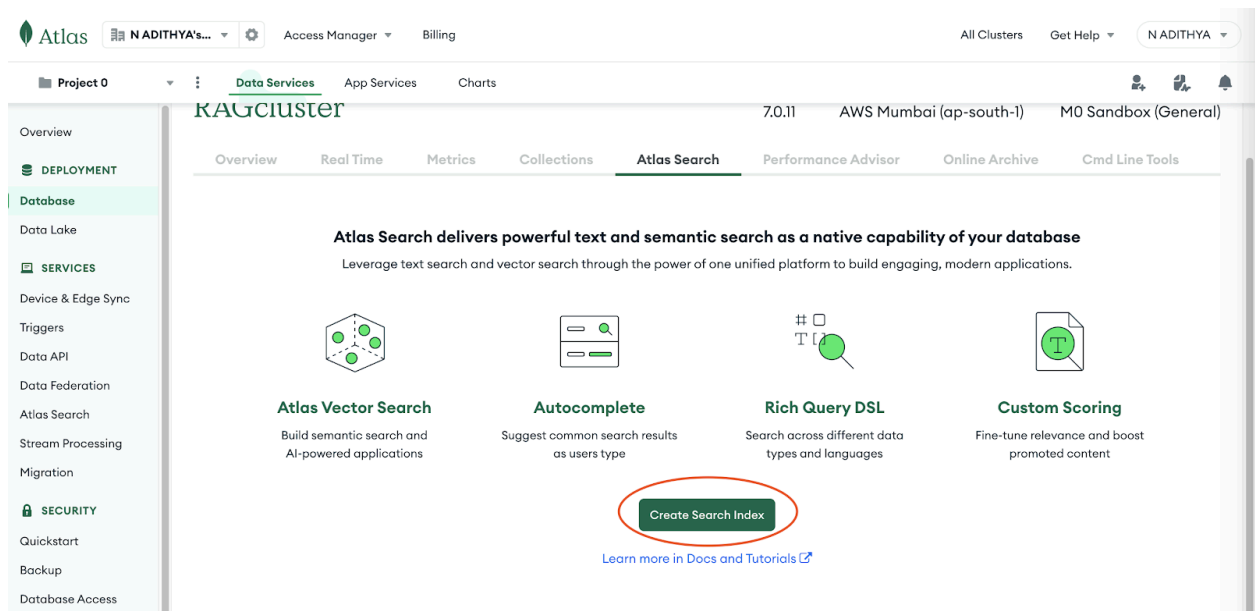
STEP-12 - Enter database name and collection name for creating new collection (Note down both because we will be using this in the code) and press Create button.



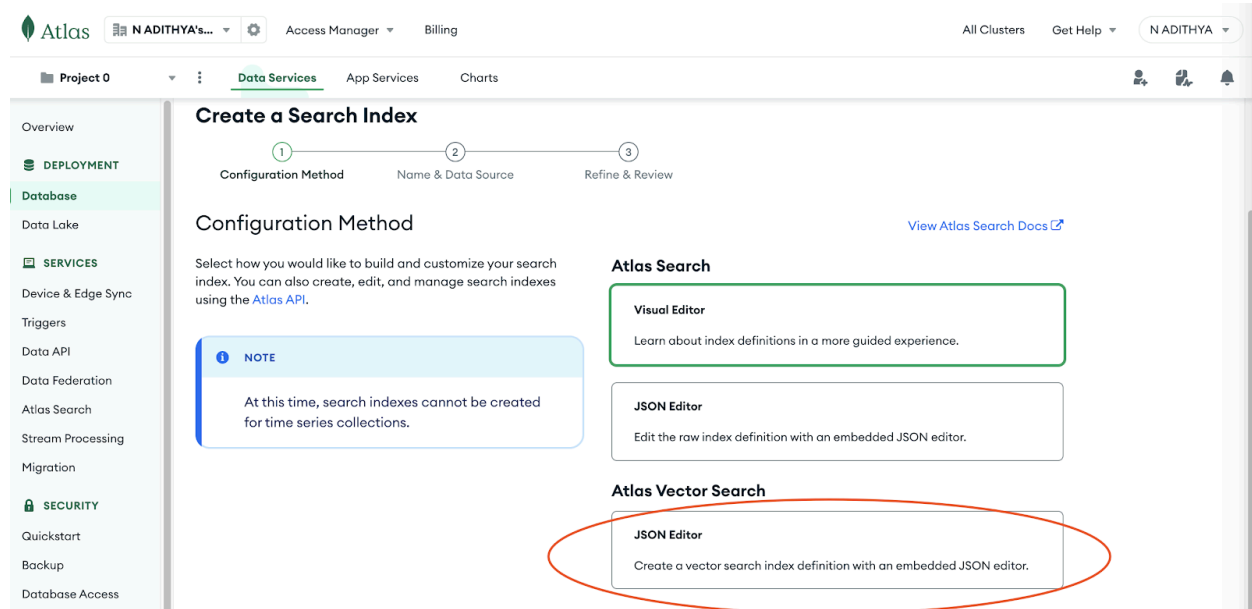
STEP-13 - Click on the Atlas search tab



STEP-14 - Click on 'Create Search Index' button



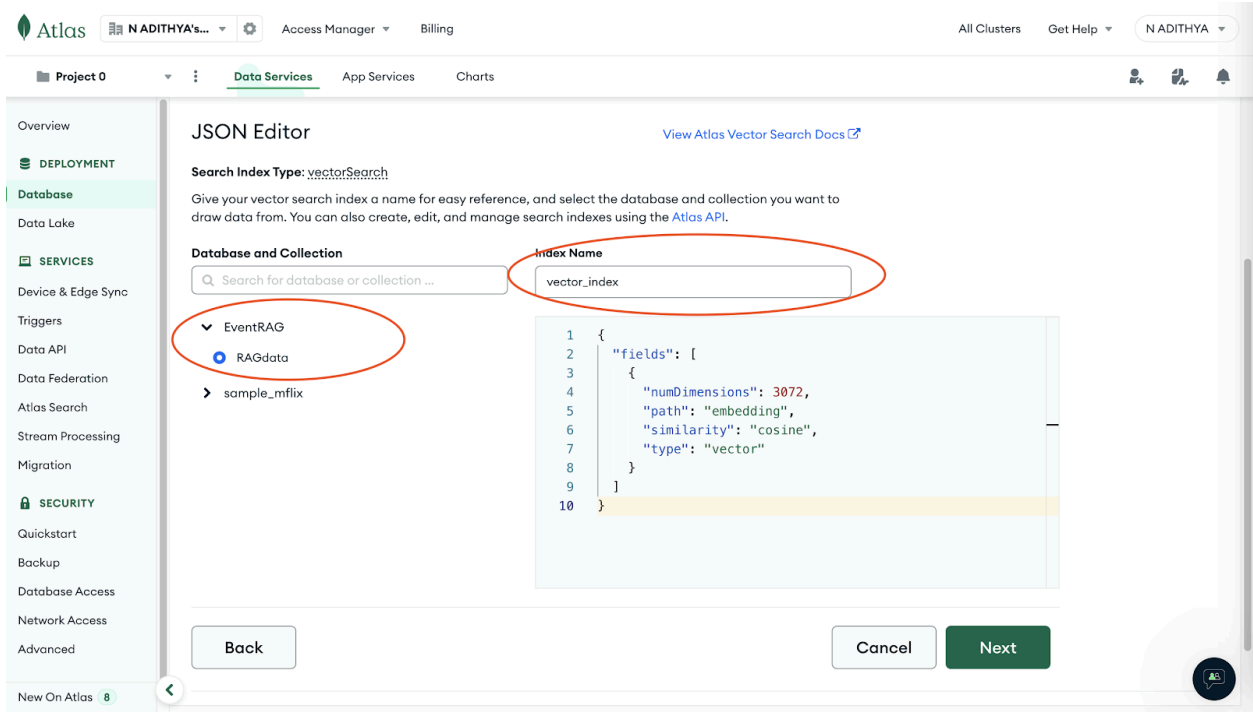
STEP-15 - Click on JSON Editor



Step-16 -

Enter a **index name** and make a note and replaced the JSON code below in the code placeholder shown on right bottom (as shown in image below)

```
{  
  
  "fields": [  
  
    {  
  
      "numDimensions": 3072,  
  
      "path": "embedding",  
  
      "similarity": "cosine",  
  
      "type": "vector"  
    }  
  ]  
}
```

Step-17 - As shown in left side of the image above, select the Database and collection you created previously

Summary

Keep the following items noted on a notepad. We will use them in the code in the session 2 on RAG.

- Database name (from Step 12)
- Collection name (from Step 12)
- Index name (from Step 16)
- Connection string (from Step 9)