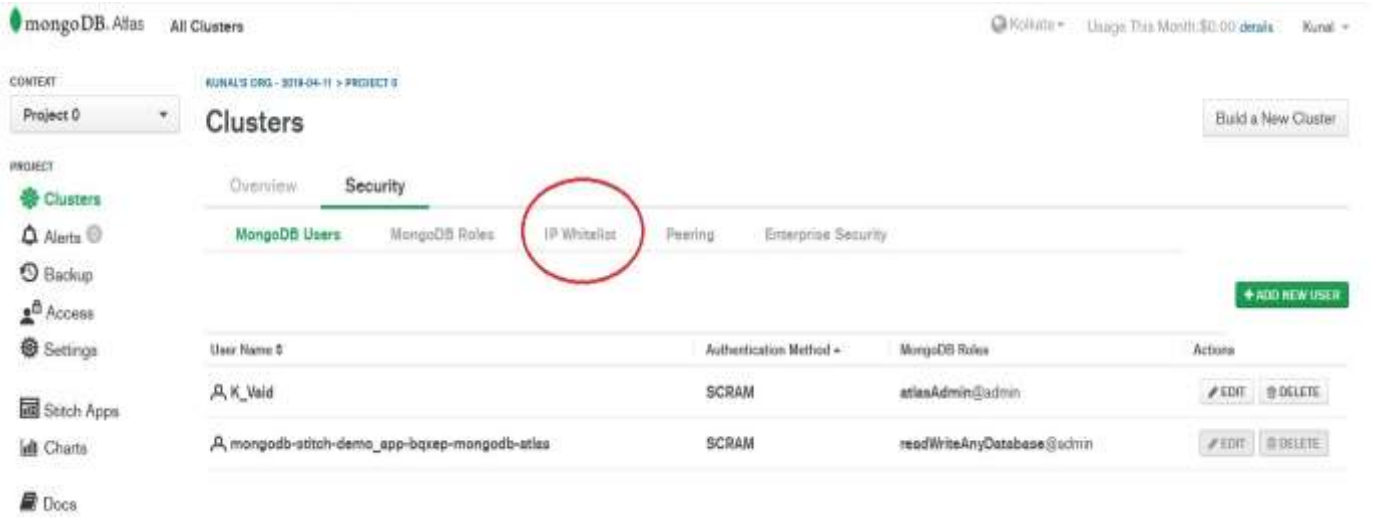
MongoDB Atlas Usage Document

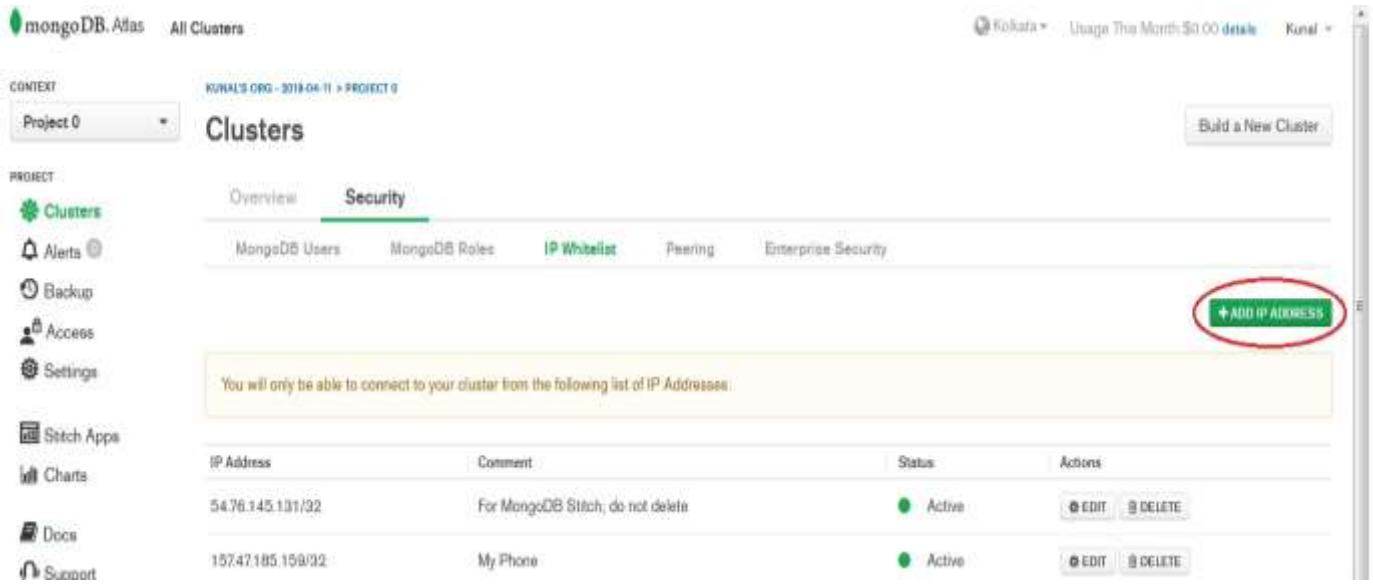
Step 1. Create your MongoDB Atlas account and Login into it.

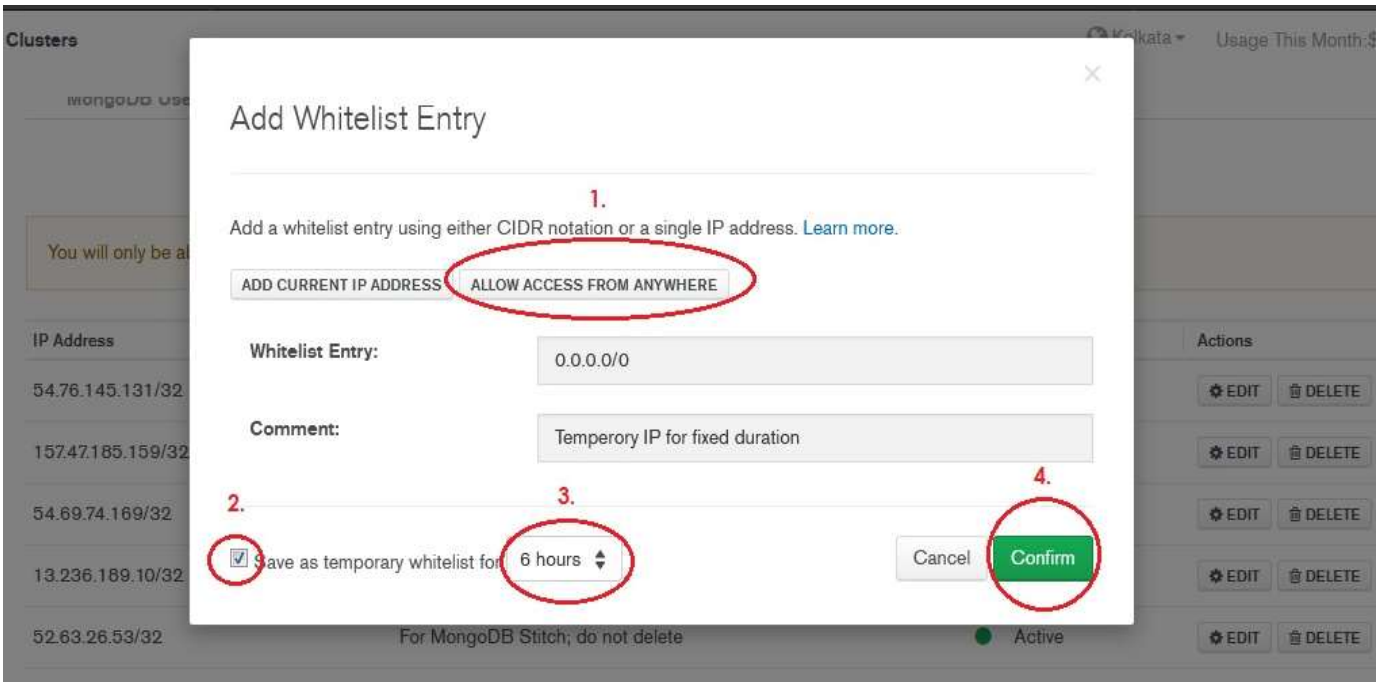
Step 2. Create a new Cluster by following the instruction given in the image below:

Step 3. From **Cloud Provider & Region** section choose any one cloud service (AWS, Google Cloud, Azure). After that select any region labelled with **Free Tier Avaliable**. Then from **Cluster Tier** section choose **M0** cluster (which is free). And then click on **create cluster** button below.

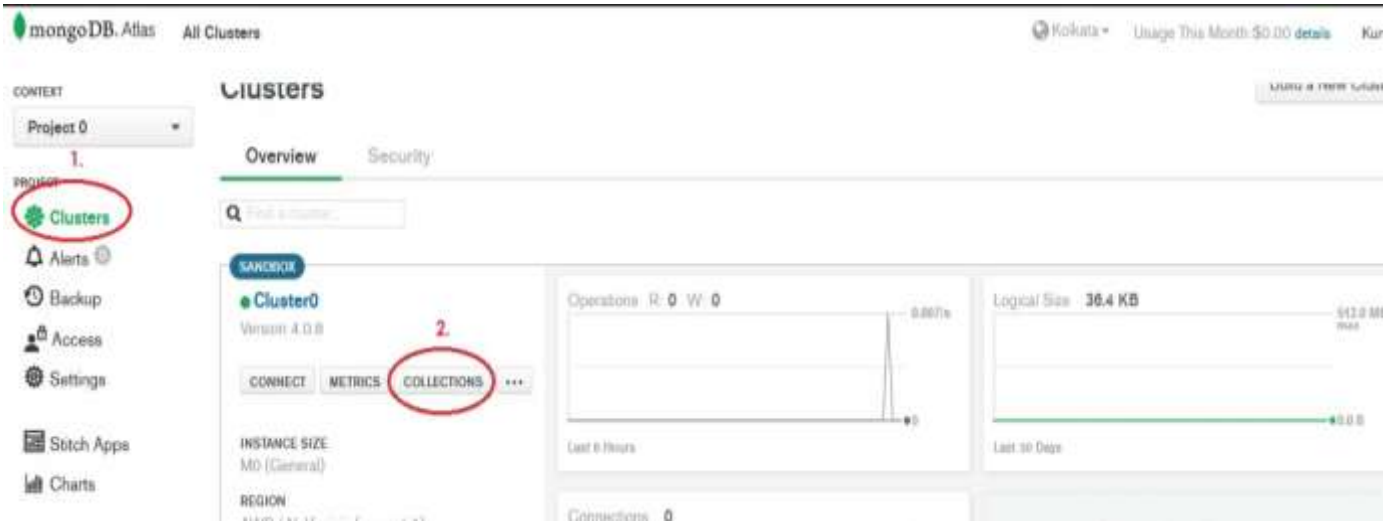
Step 4. Now to add your IP address to whitelist so that you can access your database follow the steps shown below:

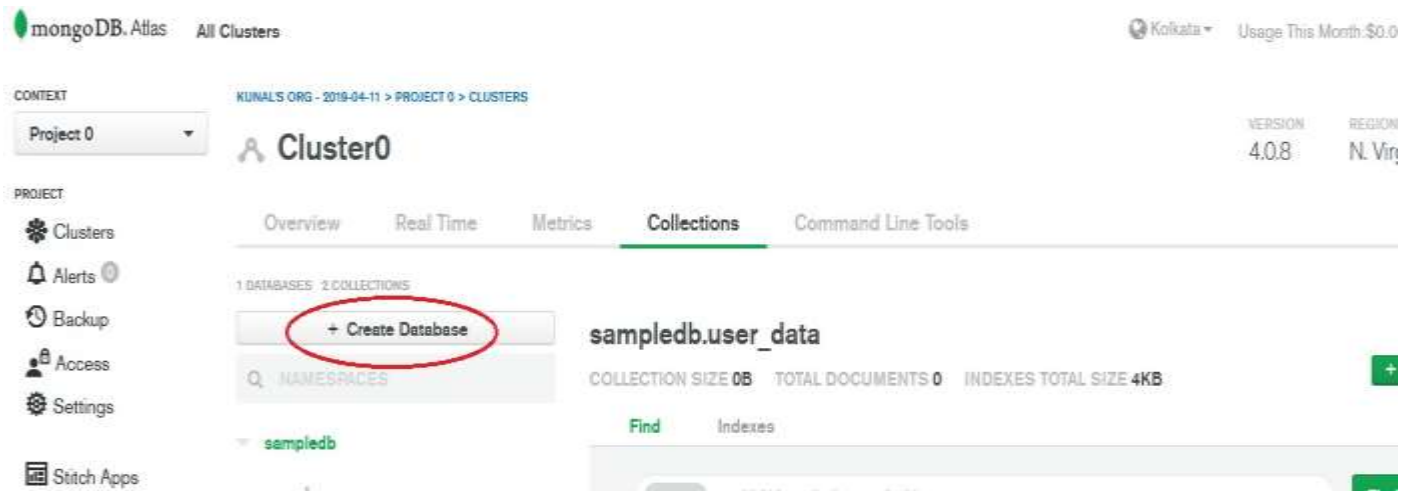

mongoDB. Atlas
All Clusters
Kolkata
Usage This Month:$0.00 details
Kunal
CONTEXT
Project 0
KUNAL'S ORG - 2019-04-11 > PROJECT 0
Clusters
Build a New Cluster
PROJECT
Clusters
Alerts
Backup
Access
Settings
Stitch Apps
Charts
Docs
Overview
Security
MongoDB Users
MongoDB Roles
IP Whitelist
Peering
Enterprise Security
+ ADD NEW USER
User Name
Authentication Method
MongoDB Roles
Actions
K_Vaid
SCRAM
atlasAdmin@admin
EDIT
DELETE
mongodb-stitch-demo_app-bqxep-mongodb-atlas
SCRAM
readWriteAnyDatabase@admin
EDIT
DELETE


mongoDB. Atlas
All Clusters
Kolkata
Usage This Month:$0.00 details
Kunal
CONTEXT
Project 0
KUNAL'S ORG - 2019-04-11 > PROJECT 0
Clusters
Build a New Cluster
PROJECT
Clusters
Alerts
Backup
Access
Settings
Stitch Apps
Charts
Docs
Support
Overview
Security
MongoDB Users
MongoDB Roles
IP Whitelist
Peering
Enterprise Security
+ ADD IP ADDRESS
You will only be able to connect to your cluster from the following list of IP Addresses:
IP Address
Comment
Status
Actions
54.76.145.131/32
For MongoDB Stitch; do not delete
Active
EDIT
DELETE
157.47.185.159/32
My Phone
Active
EDIT
DELETE


Clusters
Kolkata
Usage This Month:$
Add Whitelist Entry
1.
Add a whitelist entry using either CIDR notation or a single IP address. Learn more.
ADD CURRENT IP ADDRESS
ALLOW ACCESS FROM ANYWHERE
Whitelist Entry:
0.0.0.0/0
Comment:
Temperory IP for fixed duration
2.
3.
4.
Save as temporary whitelist for
6 hours
Cancel
Confirm
IP Address
Actions
54.76.145.131/32
157.47.185.159/32
54.69.74.169/32
13.236.189.10/32
52.63.26.53/32
For MongoDB Stitch; do not delete
Active
EDIT
DELETE

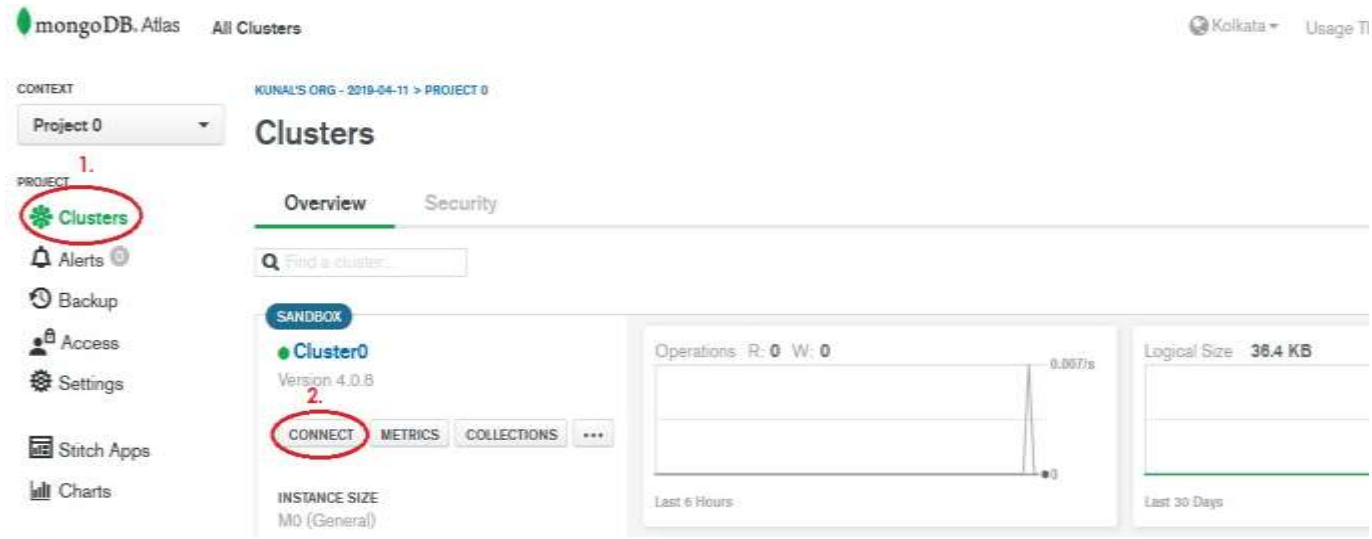
Step 5. Now after adding IP to whitelist, follow the instructions in image below to create a database.

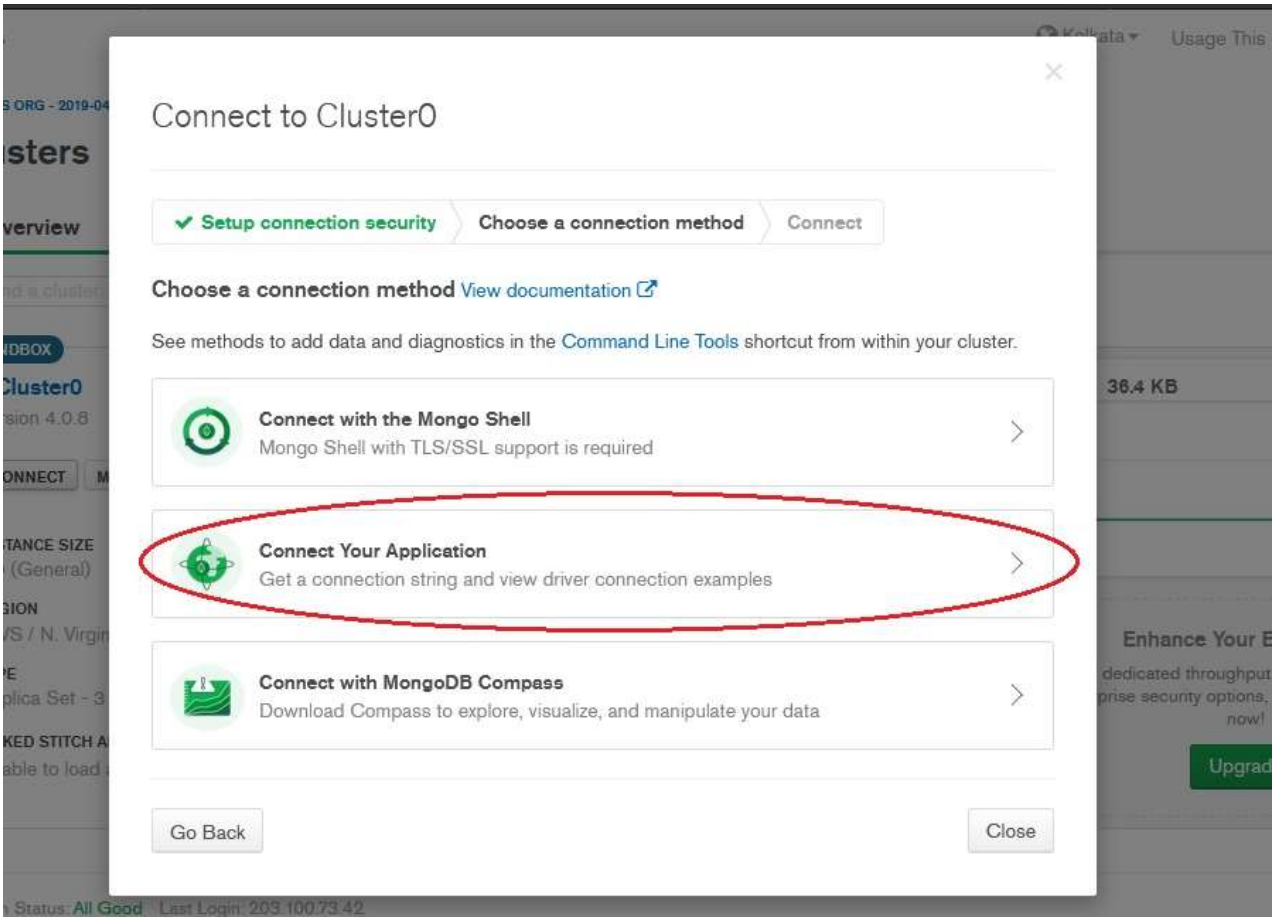


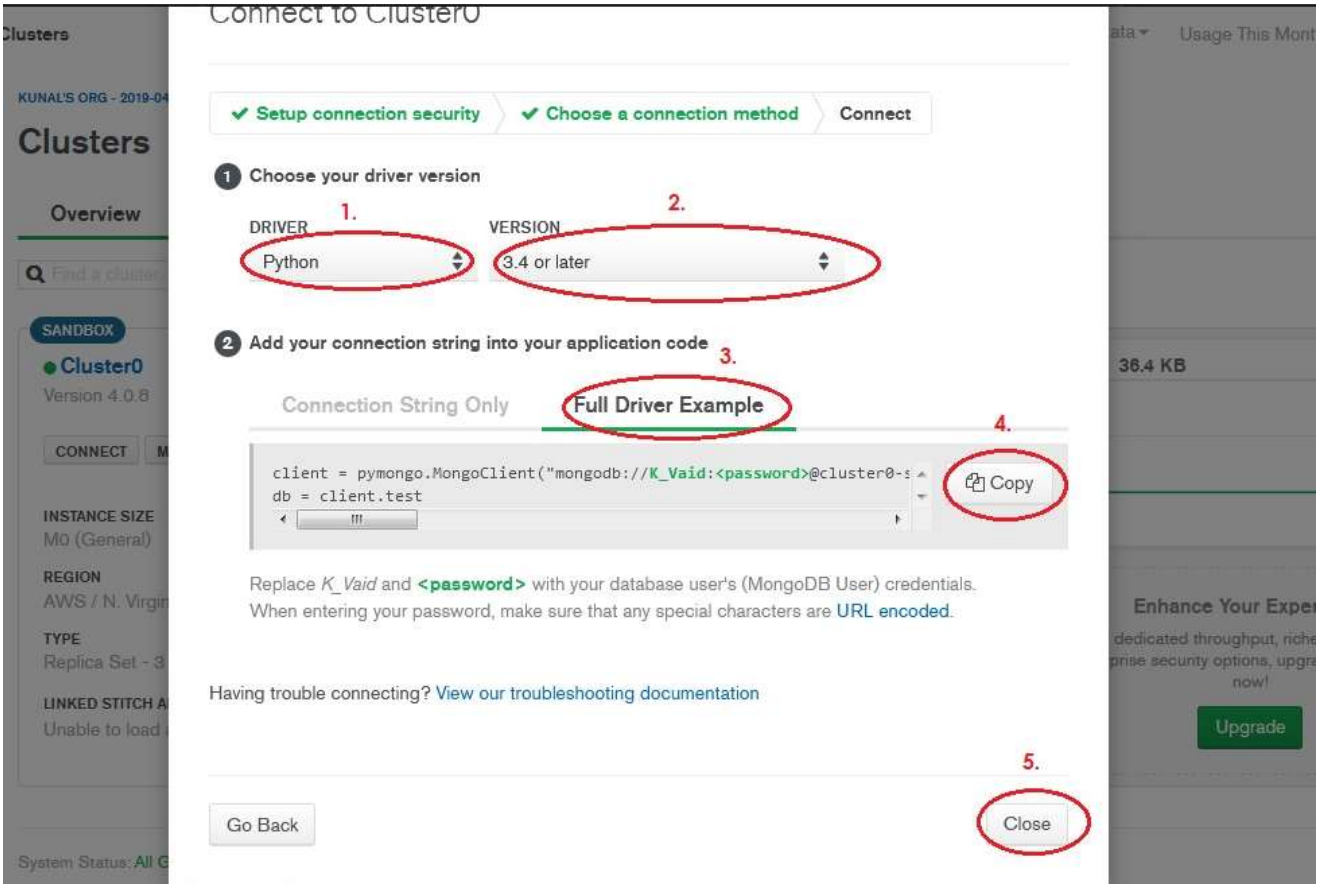


Now give name to your database and collection and press create button.

Step 6. Follow the below instructions on how to connect with your database:


mongoDB. Atlas
All Clusters
Kolkata
CONTEXT
Project 0
KUNAL'S ORG - 2019-04-11 > PROJECT 0
Clusters
1.
PROJECT
Clusters
Alerts
Backup
Access
Settings
Stitch Apps
Charts
Overview
Security
Find a cluster...
SANDBOX
Cluster0
Version 4.0.8
2.
CONNECT
METRICS
COLLECTIONS
INSTANCE SIZE
M0 (General)
Operations R: 0 W: 0
Last 6 Hours
Logical Size 36.4 KB
Last 30 Days


Connect to Cluster0
Setup connection security
Choose a connection method
Connect
Choose a connection method View documentation
See methods to add data and diagnostics in the Command Line Tools shortcut from within your cluster.
Connect with the Mongo Shell
Mongo Shell with TLS/SSL support is required
Connect Your Application
Get a connection string and view driver connection examples
Connect with MongoDB Compass
Download Compass to explore, visualize, and manipulate your data
Go Back
Close



Step 7. Now paste your copied string in your python code and follow the below lines of code for the setup:

```
import pymongo

client = pymongo.MongoClient("mongodb://[redacted]:<password>@cluster0-shard-00-
00-tofyu.mongodb.net:27017,cluster0-shard-00-01-
tofyu.mongodb.net:27017,cluster0-shard-00-02-tofyu.mongodb.net:27017/test?
ssl=true&replicaSet=Cluster0-shard-0&authSource=admin&retryWrites=true")

mydb = client.sampledb
```

Write your password here in place of "<password>" and make sure to url-encode all the special characters in your password.

In place of this, write the name of your database.

Link to url-encode special characters : https://ascii.cl/url-encoding.htm