

# Capstone Project Submission

### Instructions:

- i) Please fill in all the required information.
- ii) Avoid grammatical errors.

<b>Please paste the GitHub Repo link.</b>
<a href="https://github.com/tanayraikuwar/youtubeSubscriber.git">https://github.com/tanayraikuwar/youtubeSubscriber.git</a>
<b>Please paste the weblink to deployment.</b>
<a href="https://youtube-subscriber.vercel.app">https://youtube-subscriber.vercel.app</a>
<b>Please paste the link to the video demonstration of the project.</b>

<https://drive.google.com/file/d/1IF8UGgciOQCG9s5Nlrm7d7GBYjjCtmf/view?usp=sharing>

**Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)**

**My capstone project's main problem statement is to get the data from the MongoDB database with the help of a simple backend application. The main component of my project on which it stands is "Nodejs", "Expressjs" and "Mongoose". Here we use "Nodejs" as our backend language, "Expressjs" as our Nodejs framework, and "Mongoose" to connect with the MongoDB database and perform some operations.**

**In our project in the root folder, we create the file "index.js" to connect with the MongoDB database and start the server. All the code to handle requests and responses to the backend we put in the "app.js" file which is located in the "src" folder of the root folder of our project. To Read data from the database, first, we want to send some data to the database. To send data to the database we have to run the "createDatabase.js" file in the "src" folder. "createDatabase.js" file basically uses the schema for data insertion and uses "Mongoose" to connect the MongoDB database. It reads data from the "data.js" file and creates data in the database.**

**To perform validation and testing we use "Mocha" Javascript framework which is use to perform testing and validation and "Chai" is used as an assertion library. To run test just type "npm test" in terminal in the root folder of the project**

**conclusion =>**

**My project is helpful whenever we want to get data from the database and create data in the database. We can also use our project in the front end to get data from the database. By separating our application into front and backend, we can easily manage and maintain our code. This is my capstone project. Thank you.**

