

## Web Development(IT629)

### Project Final Evaluation(Batch 2021-23 semester 2<sup>nd</sup> )



**Group.No:- G2**

### E-Learning Platform

- Guided By :- Prof. Satyendrasingh Chouhan Sir
- Mentor(TA):- Mr. Meet Shah (202011047)

### **Group Members:-**

- Mihir Popat:- 202112073 (Group Representative)
- Shail Parekh:- 202112128

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## **Description:-**

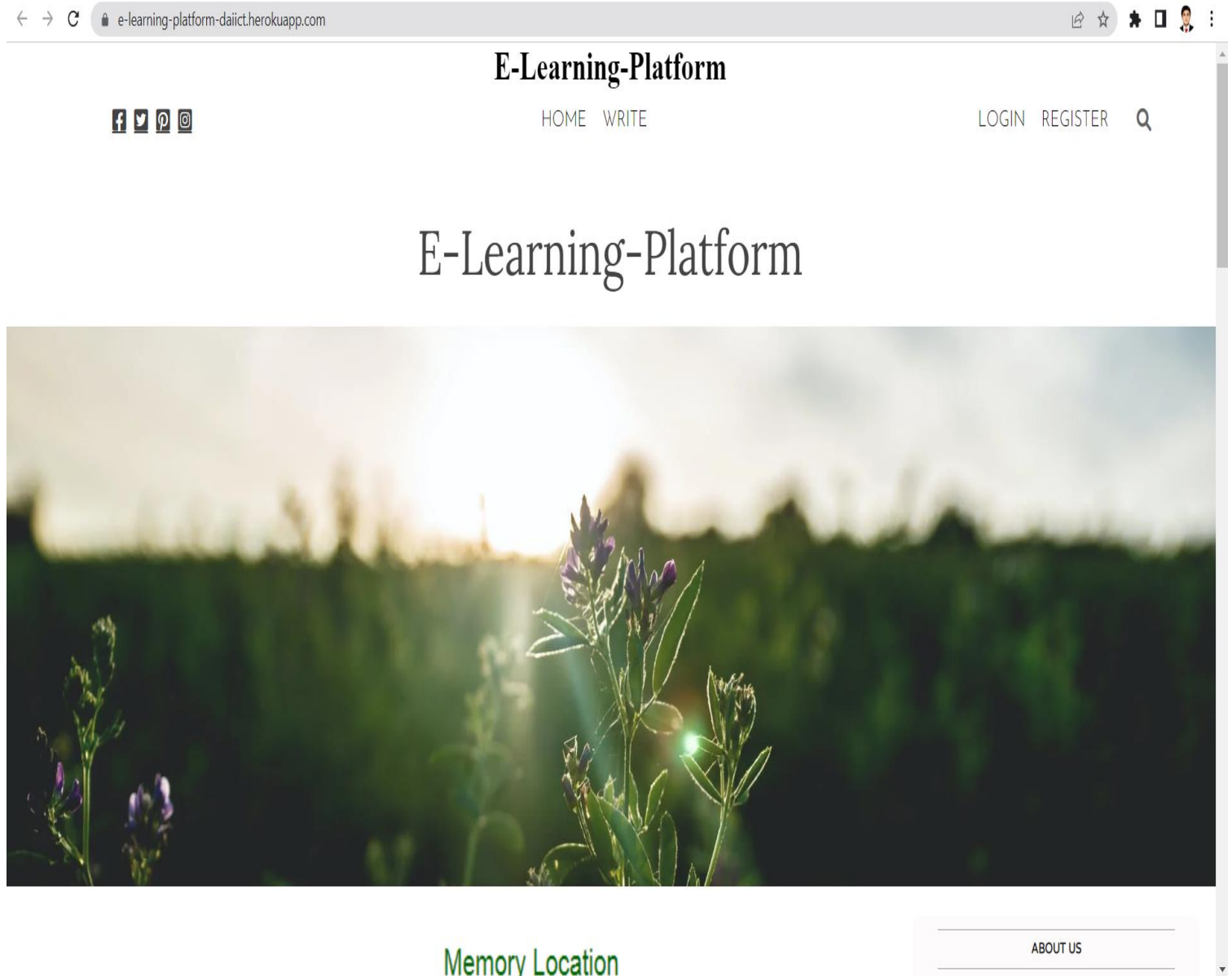
The purpose of E-Learning Platform project aims to create an engaging and informative online learning platform that helps learners achieve the desired learning outcomes. It helps learners to highly collaborative and multi-functional accomplishments. It provides all in one solution to the learner to get knowledge and up grad their career . E -Learning is the best platform to build online student community.

## **Technology we have Used to implement in the Project:-**

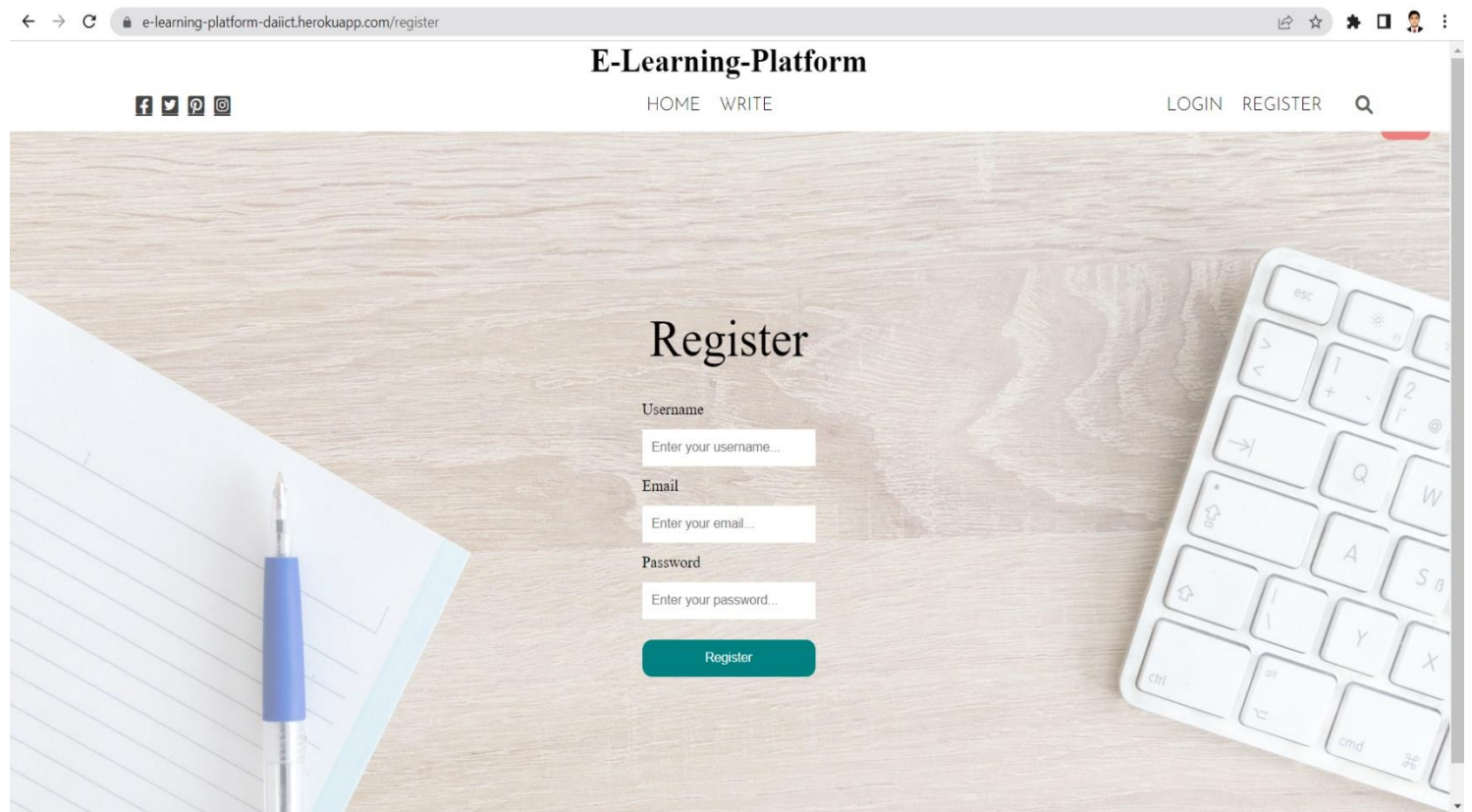
- HTML
- CSS
- JavaScript
- MongoDB
- NodeJS
- React
- Express Js

- **Screenshot of Project Important Functionality:-**

**Home Page:-**



## Registration Page:-



← → ↻ e-learning-platform-daiict.herokuapp.com/register

**E-Learning-Platform**

HOME WRITE LOGIN REGISTER 🔍

Register

Username

Enter your username...

Email

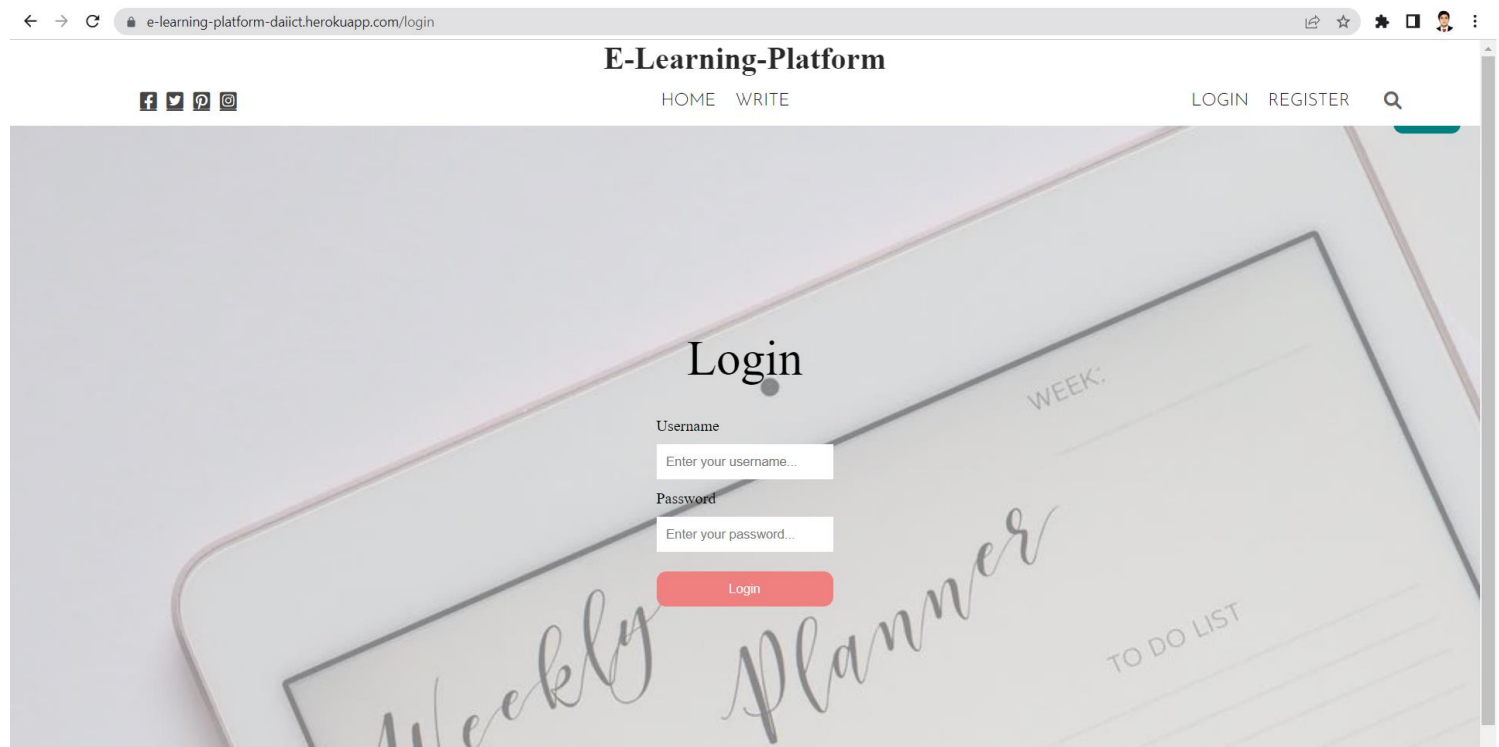
Enter your email...

Password

Enter your password...

Register

## Login Page:-



← → ↻ e-learning-platform-daiict.herokuapp.com/login

**E-Learning-Platform**

HOME WRITE LOGIN REGISTER 🔍

Login

Username

Enter your username...

Password

Enter your password...

Login

## Educational Articles:-

← → ↻ e-learning-platform-daiict.herokuapp.com

f t p i

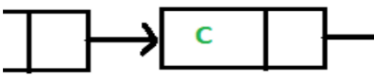
HOME WRITE

LOGIN REGISTER

### Memory Location

1	202	203	204	205	206	■
F	D	A	E	C	■	■
2	3	4	5	6	■	■

### Index



### Linked List Data Structure


Fri Apr 15 2022


A linked list is a sequence of data structures, which are connected together via links. Linked List is a sequence of links which contains items. Each link contains a connection to another link. Linked list is the second mos...

### Array Data Structure

Fri Apr 15 2022

Array is a container which can hold a fix number of items and these items should be of the same type. Most of the data structures make use of arrays to implement their algorithms. Following are the important terms to...





### ABOUT US

E-Learning Platform is the online platform that helps students to start learning new skills so it helps them to improve there skills accordingly latest requirement in industry.

Guided By:- Prof.Satyendrasingh Chouhan sir  
Mentor(TA):- Mr. Meet Shah  
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and Shail Parekh (202112128), Group-Id-2,  
M.Sc(IT)-Batch-2023,  
DA-IICT,Gandhinagar,Gujarat.

### CATEGORIES

Array	Stack
Linked List	Binary Tree

### FOLLOW US

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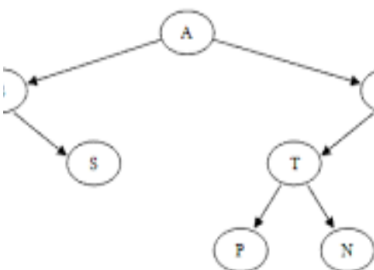
## Sort listing Articles by category:- (over here binary tree articles are sort listed)

← → ↻ e-learning-platform-daiict.herokuapp.com/?cat=Binary%20Tree

f t p i

HOME WRITE

LOGIN REGISTER

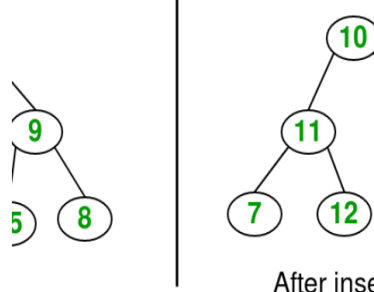


### Binary Tree Data Structure

Fri Apr 15 2022

The Binary tree means that the node can have maximum two children. Here, binary name itself suggests that 'two'; therefore, each node can have either 0, 1 or 2 children.

Properties of Binary Tree:- \* At each level of i, the...



### Insertion in a Binary Tree in level order

Fri Apr 15 2022

Insert function is used to add a new element in a binary search tree at appropriate location. Insert function is to be designed in such a way that, it must node violate the property of binary search tree at each value. Allocate th...

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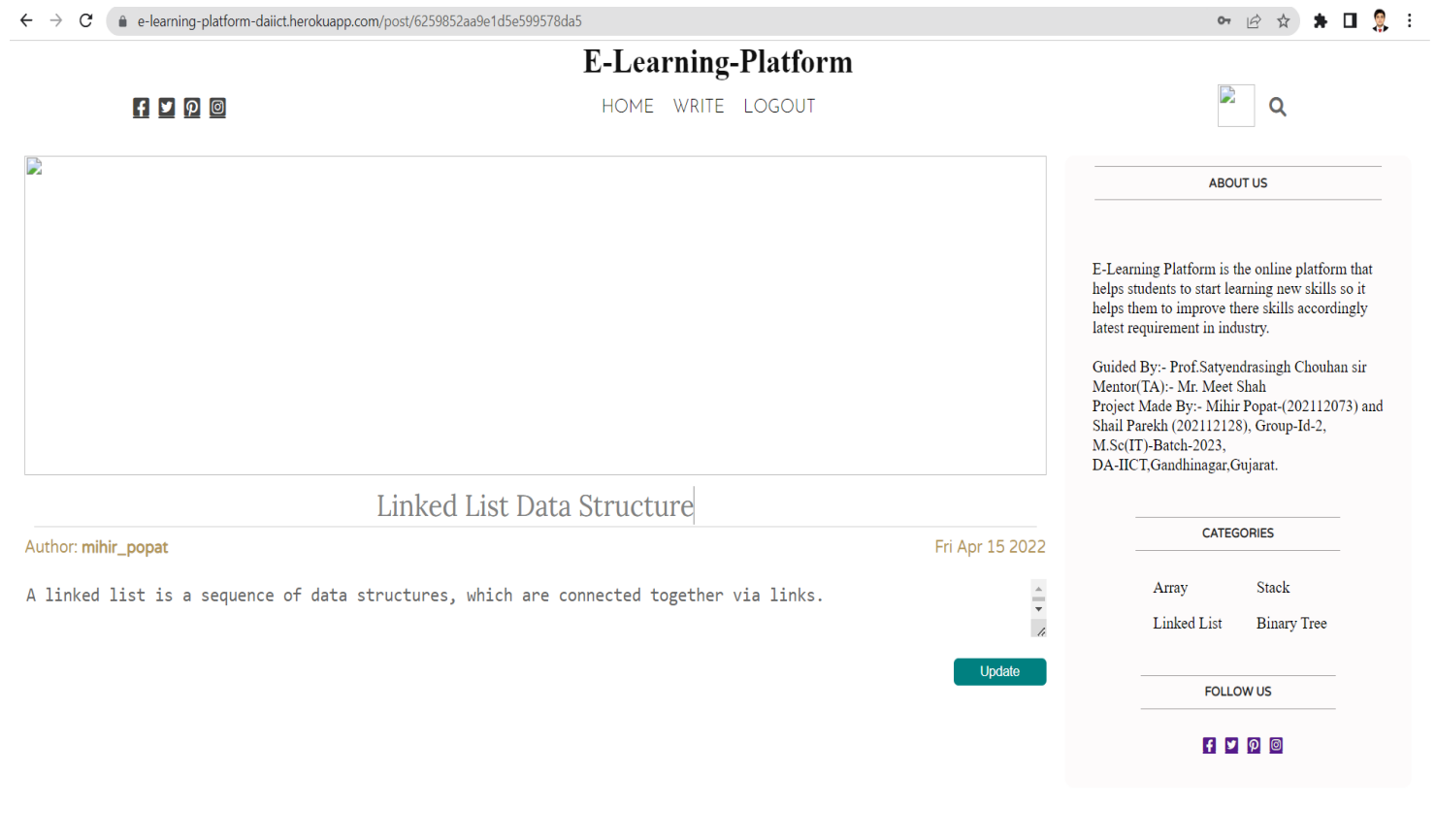
f t p i

### User Profile Update:-

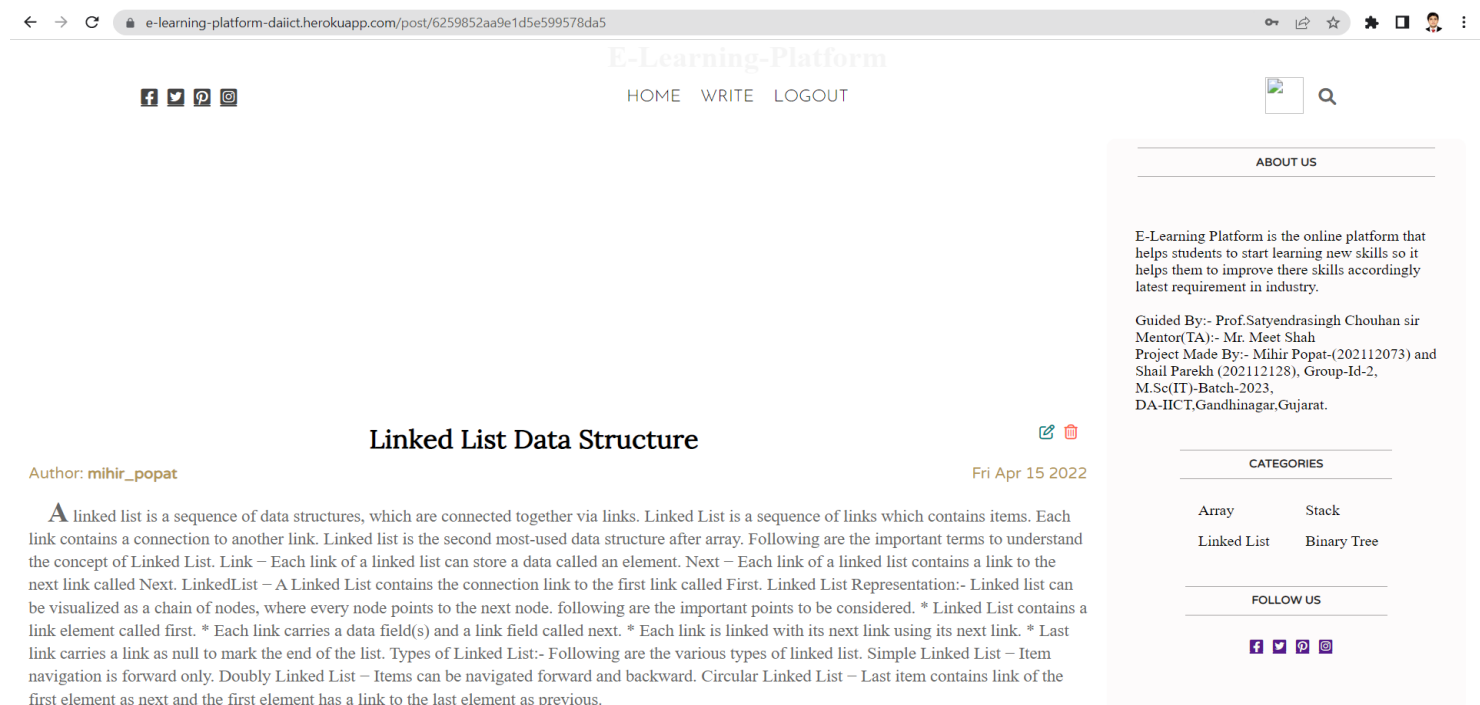
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### Post Write Panel:-

### Update Article:-

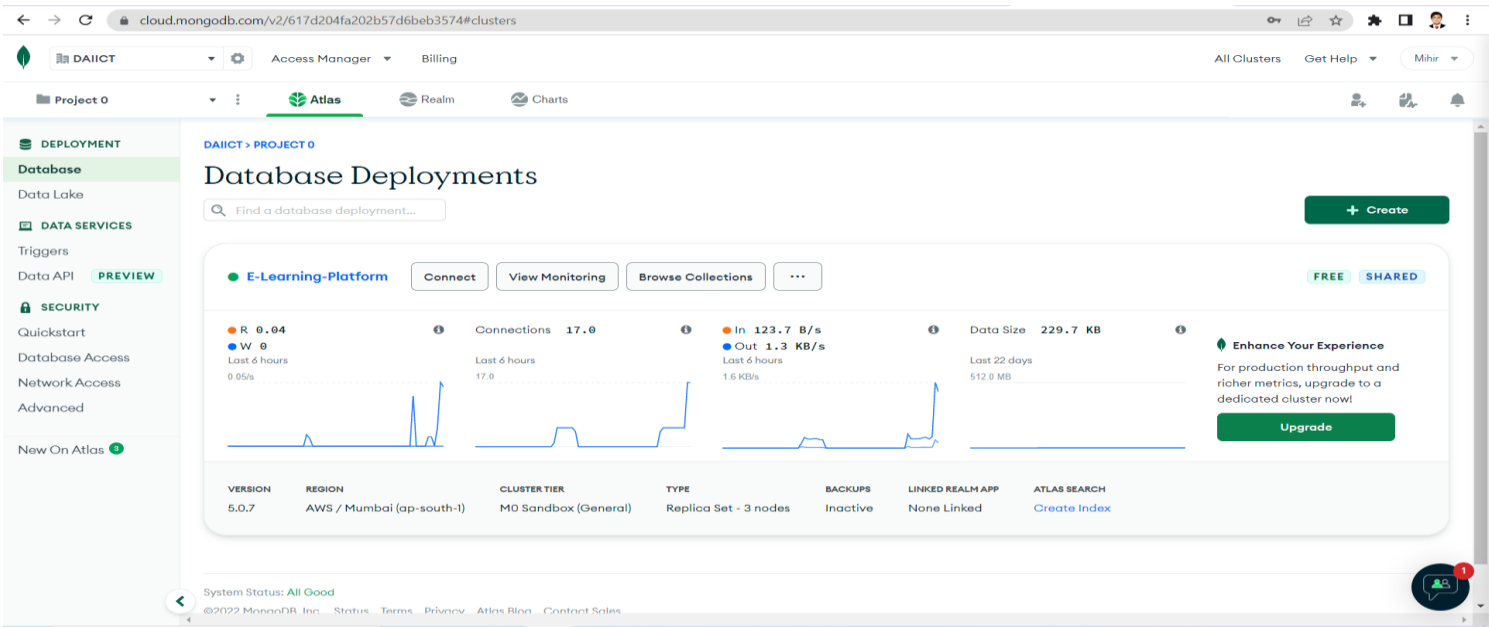


### Delete Article:-

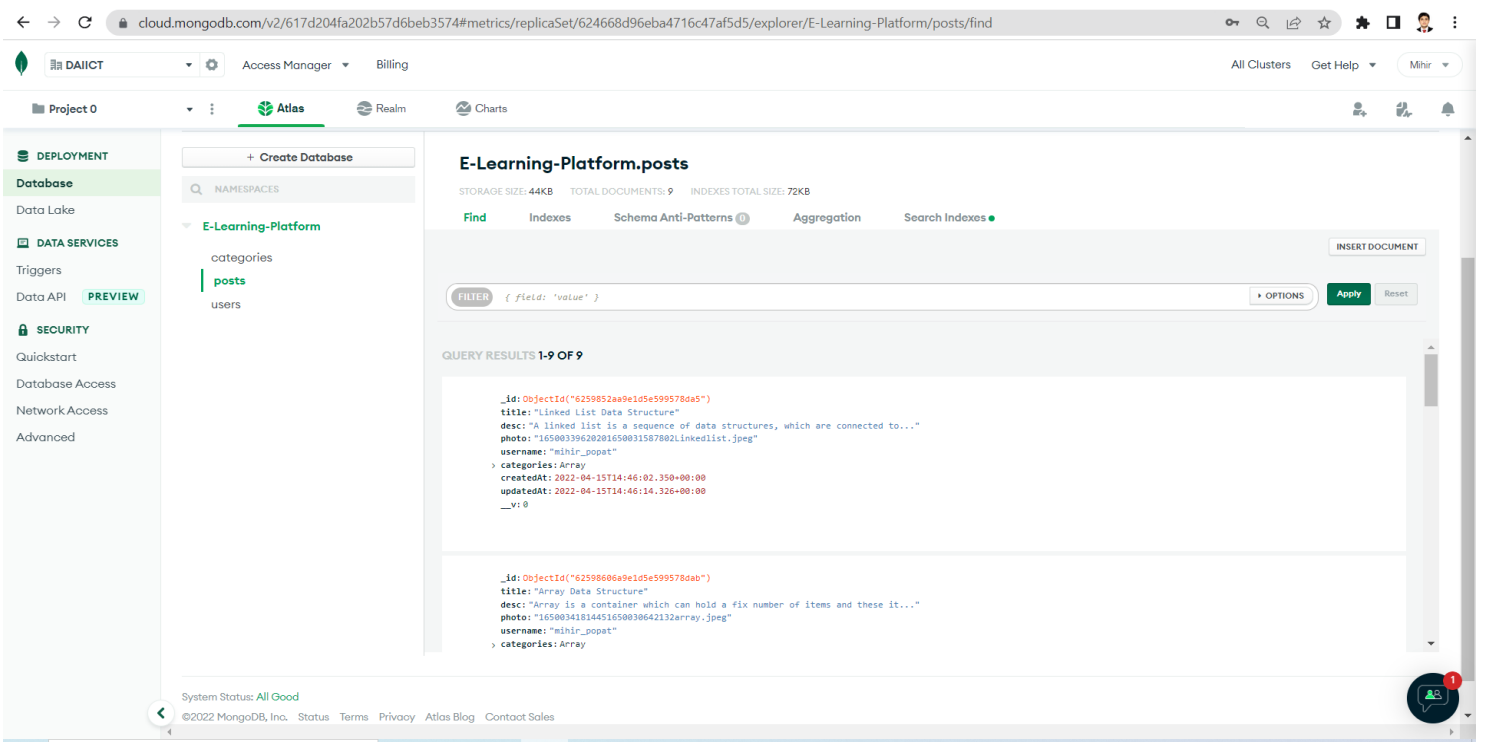




Atlas MongoDB DataBase Panel:-



Database Collections:-





## Explanation of the project flow:-

- When user first visit our platform first page displayed is the home page and over here the already written articles by the existing users is displayed .
- Then if the user is not already register he will first need to register to access and to contribute to the platform . after successful registration user will login to the portal.
- After login user is able to contribute to the platform by the writing the article and share knowledge with the students also able to edit , update articles only written by user own self.
- User can be able to update profile and also sort article according to user interest.
- This platform help student community to grow.

## • All Style Requirements fulfilled Successfully:-

- Accordingly requirements given by the sir we have implemented our project like....
- We have callback and custom events and functions to communicate between class.
- For backend we have used nodejs and expressjs and for front end we have used react.
- We have used HTTP get method , post method , delete method and put method .
- We have avoid to use global variables and used raw html, CSS and JavaScript.

## • All Technology Requirements fulfilled Successfully:-

- WE have used class and ids.
- We have used flex
- We have included CSS animation.

- We have used fetch() to fetch data.
- We have include get and post route.
- We have also Used await(promise) and async property in our project.

**Heroku Link:- <https://e-learning-platform-daiict.herokuapp.com/>**

**Google Drive Link:-  
<https://drive.google.com/drive/folders/1lwP1njTyBTDYPWqKk0w57o3asUr8EirN?usp=sharing>**