# Silicon University

# Silicon University, Odisha

# TRAINING DIARY

Name __Rosan Senapati_____

SIC No: __23MMCI36_____

Regd. No: __23MMCI36_____

Branch ____MCA_____ Year __2023-2025__

## Silicon University, Odisha
Silicon Hills, Patia, Bhubaneswar – 751024

# MEMORANDA

Name _Rosan Senapati_____

SIC No: _23MMCI36_____

Regd. No: _23MMCI36_____

Branch: _MCA_____

Name & Address of Organization:

_Silicon University, Silicon Hills, Patia_____

_Bhubaneswar - 751024, Odisha_____

Details of Reporting Officer / Training In-Charge:

Name: _____

Designation: _____ Phone: _____

Email Address: _____

Period of Traning:     From _____ To _____

Total No. of Days _____ No. of Days Absent _____

Date:

Seal                                        Signature of Training-In-Charge

Date <u>27-06-24 </u>       Time from <u>10:00 Am </u>to <u>04:00 Pm</u>

## Details of Training / Observations:

The first day of our internship programme started with a warm welcome from our instructor. Then he asked us about how much we know about web development. Then sir started the discussion about what type of technologies we are going to learn during this Mern Stack internship program. Then he showed us a few HTML tags and how they work. After that he taught us about different types of lists and we warped up HTML by learning the uses of Form tags and their fields. Then he assigned us with an Assignment where we have to make two webpages I.e. a home page and a Contact us page. Home page should contain an image type link where on clicking the image it should redirect us to the contact page and Contact Page should contain a field which consists of two fields ( Name , Number ) and a submit button. After the assignment, Sir started with basic CSS properties like border, margin, padding etc. Then he taught us about flex and grid by giving us a small assignment to play a game called flexfrog and gridgarden which helped us to clear our concept of grid and flex. After that, we wrapped up CSS by learning about how to make our website responsive by using @media Query. At the end of this week he assigned us to apply CSS properties to make the image center and give a nice background color on the home page and to use flex/grid properties on the contact page to make it an attractive page.

Countersigned By                 Signature of Trainee

Date <u>04-07-24</u>     Time from <u>10:00 Am</u> to <u>04:00 Pm</u>

Details of Training / Observations:

<u>In Second week he started with JavaScript introduction like variable types, condition statements, types of operators. Loops ( while, for, foreach).then he asked us to solve few questions related to this concept. After that he taught us about arrays, strings and their built-in methods. We solved a few questions related to this concept also. Then he taught us about DOM manipulation and event handling by using different types of selectors and events. Then this week wrapped up with an assignment where we  had to create a calculator using HTML, CSS and JavaScript.</u>

Countersigned By     Signature of Trainee

Date <u>11-07-24</u>               Time from <u>10:00 Am</u> to <u>04:00 Pm</u>

Details of Training / Observations:

In the third week he taught us about DOM manipulation and event handling using JavaScript. Where we learned about different types of element selectors and Events and how to execute a particular function when some event occurs. Then he taught us about local storage to store the data and API call which is used to fetch the data from URL using Asynchronous and await functions. We wrapped up this week by creating a website which consists of two pages one is home page which consists of a navbar and a menu section. On clicking on the product link we redirect to product page where we show all the data which are being fetched from api.

Countersigned By               Signature of Trainee

Date <u>18-07-24</u>                    Time from <u>10:00 Am</u> to <u>04:00 Pm</u>

Details of Training / Observations:

<u>On the fourth week he taught us about ReactJS which is a framework of JavaScript which enables us to write both html and JavaScript in a single language. Then he taught us about some components of React which are class, function, render components etc. Then he told us about react router which enables us to link our multiple pages. Then he taught us about React hooks (useState, useEffect, useContext, useNavigate) which allow us to access function components. And states. Then he showed us how to call an API in react and how to use chakra UI which is a framework for react. After React we learned about NodeJS which is used to create our own server for communication with API through JSON files. During this we learned about JSON which is a lightweight format for storing and transporting data often used when data is sent from a server to a web page.</u>

Countersigned By                    Signature of Trainee

Date <u>25-07-24</u>          Time from <u>10:00 Am</u> to <u>04:00 Pm</u>

Details of Training / Observations:

On the fifth week he created several groups in which 5 to 6 members are present. Then he assigned different projects to different groups. In my group the project was to create a replica of the KFC India website. Using React JS and Node JS which was taught to us previously. Then we started doing our project and then we divided the task between our team members. We faced some problems then with the help of our instructor we managed to overcome and fix those problems in our project. End of the week, we presented our project in front of our instructor and took his feedback to make it even more accurate.

Countersigned By               Signature of Trainee

Date <u>1-08-24</u>                    Time from <u>10:00 Am </u>to <u>04:00 Pm</u>


Details of Training / Observations:


On the sixth week he started with a brief introduction to Back End Development. Then how to create a complete API that performs CRUD operations using JavaScript. Then he showed us that the exact thing can be easily done by using Express Js where we learned the same thing but with a minimal, concise and easy syntax. Then he taught us about HTTP methods which are GET, POST, PUT, PATCH, DELETE which help us to build URLs. After that we created API to store, insert, delete and update product details using Express Js.


Countersigned By                    Signature of Trainee

Date 05-08-24                                    Time from 10:00 Am to
04:00 Pm


Details of Training / Observations:


On the last day of our internship program he gave an introduction to Mongo
DB. Then he showed us the installation process, how to create a collection
document and how to perform queries in MongoDB to extract desired data
from the database. Then he showed us how to connect Express with
MongoDB so that we can store the data in the database rather than a JSON
file which we have been doing till now. After that he showed us how to use
React JS , Node JS , Express JS and MongoDB together. After that he
wrapped up the session by giving a complete overview of what he had taught
us till now and also he advised us to keep practicing and how we can improve
in this domain.


Countersigned By                        Signature of Trainee

# COMPLETION CERTIFICATE

Certified that Mr/Ms __Rosan Senapati_____

SIC No: __23MMCI36_____ Regd. No: __23MMCI36_____

has successfully completed the Summer Internship / Training program

at ___Silicon University, Bhubaneswar_____

_____

from Date ___27-06-24___ to ___05-08-24_____.

The student has invested a total of ____100_____ Hours on the Summer

Internship / Training Program. The performance of the student was

found to be Satisfactory / Unsatisfactory during the training.

**Signature of Training In-Charge**                    Seal

Name: _____

Designation: _____

**CODE BEAT**

**Silicon University**

# CERTIFICATE OF INTERNSHIP

This Certificate is proudly
awarded to

## ROSAN SENAPATI

For successfully completing his/her Internship with Codebeat as a Mern
Stack from 25th June 2024 to 25th July 2024.

**Verified By :**

Rahul Kr Singh
**SR. MANAGER**

**M** MINISTRY OF
**C** CORPORATE
**A** AFFAIRS
GOVERNMENT OF INDIA

MSME

# Silicon University, Odisha

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