INTERNSHIP ACTIVITY LOG FOR THE **2nd** WEEK

Department of CSE

Roll Number: 20711A05C6   Year/Sem: III-II
Name of the student: P.V.Abhi Rama Sarma

DAY & DATE	BRIEF DESCRIPTION OF THE DAILYACTIVITY	LEARNING OUTCOME	Person In-charge Signature
Day–1 15-05-23	Ajax	I have learned about Ajax with some practical examples.	
Day -2 16-05-23	1. SQL 2. Ajax test	I understand the concept of SQL (backend) and revised ajax	
Day–3 17-05-23	1.Rest API 2.SQL test	I studied about rest API and revised SQL	
Day–4 18-05-23	Node JS	I have learned about what is node JS and its functionality	
Day–5 19-05-23	React JS	I understand and started working on react JS	
Day–6 20-05-23	Tasks	I finished the task assigned	

INTERNSHIP WEEKLY REPORT

WEEK – 2 (From Dt 15-05-23 to Dt 20-05-23)

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Objective of the Activity Done: I worked for backend this week
Detailed Report:
AJAX (Asynchronous Java Script and XML) refer to a group of technologies that are used to develop web applications. By combining these technologies, web pages appear more responsive since small packets of data are exchanged with the server and web pages are not reloaded each time that a user makes an input change.
Use of AJAX:
1. Read data from a web server - after a web page has loaded
2. Update a web page without reloading the page
3. We can use it for increasing speed, making asynchronous calls, making user-friendly web pages, and implementing call back functions.
4. Send data to a web server - in the background
SQL is a standard language for storing, manipulating and retrieving data in databases. Our SQL tutorial will teach you how to use SQL in: MySQL, SQL Server, MS Access, Oracle, Sybase, Informix, Postgres, and other database systems.
Use of SQL:
1. Create a table
2. Retrieve data
3. Define the database's schema
4. Define user functions and procedures
5. Combine datasets
RESTful API is an interface that two computer systems use to exchange information securely over the internet. Most business applications have to communicate with other internal and third-party applications to perform various tasks.
Use of Rest API:

1. Makes responsive web design for reality
2. Mobile App Development
3. Integrating Third-Party Services
4. Building Microservices Architecture
Node.JS is an open-source server environment.Node.js allows you to run JavaScript on the server. Developers use Node. js to create server-side web applications, and it is perfect for data-intensive applications since it uses an asynchronous, event-driven model.
Use of Node js:
1. Node.js can generate dynamic page content
2. Node.js can create, open, read, write, delete, and close files on the server.
3. Node.js can collect form data.
4. Node.js can add, delete, modify data in your database.
React is a JavaScript library created by Facebook. React is a User Interface (UI) library. React is a tool for building UI components
Use of react JS:
1. Single-Page Applications (SPAs)
2. Component Reusability
3. UI State Management
4. Integration with Backend APIs