SUNSTONE

“Portfolio Website”

Task - 4

Your Project Name

INTRODUCTION: A portfolio website is a type of website that

- showcases your professional work and skills to potential clients
- It's an essential tool for any freelancer, artist, designer, photographer

creative professional who wants to market their service

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Task 4 :: Backend (Module 4)

Do database modelling and create models

- Node.js is an open-source, cross-platform, back-end JavaScript runtime environment. It allows developers to write server-side applications in JavaScript, which was traditionally used only for client-side scripting in web browsers.
- Node.js provides a fast, efficient, and scalable platform for building network applications that can handle a large number of simultaneous connections with high throughput.

Create Various APIs to ensure data flow within the website

- REST (Representational State Transfer) APIs are the most common type of API used for data flow. They use HTTP requests to access and manipulate resources (such as data or functionality) on a server.
- REST APIs are stateless, meaning that each request from a client contains all the information necessary to complete the request, without requiring the server to retain any session information.

Evaluation Metric:

100% Completion of the above tasks

Learning outcome

- Understanding Nosql databases modeling
- Querying and filtering mongodb
- Understanding various req methods
- Getting familiar with cookies
- Server side authentication

Step-Wise Description

1.Install Node.js: The first step in using Node.js is to install it on your machine. You can download the installation package from the official Node.js website.
2.Write your application code: Node.js allows you to write server-side applications in JavaScript. You can create a new file with a .js extension.
3.Use npm to manage dependencies: Node.js comes with a built-in package manager called npm.
4.Run your application: To run your code Node.js application, you'll need to use the node in command-line tool.
5.Handle incoming requests: Node.js applications are typically used to create web servers.

Summary of your task

Node.js can be used with a wide range of databases and external APIs, and offers a built-in package manager (npm) to help manage third-party dependencies. Overall, Node.js provides a flexible and powerful platform for building fast, scalable, and real-time applications.

Submission Github

https://github.com/swethasenthilnathan63

Thank you!