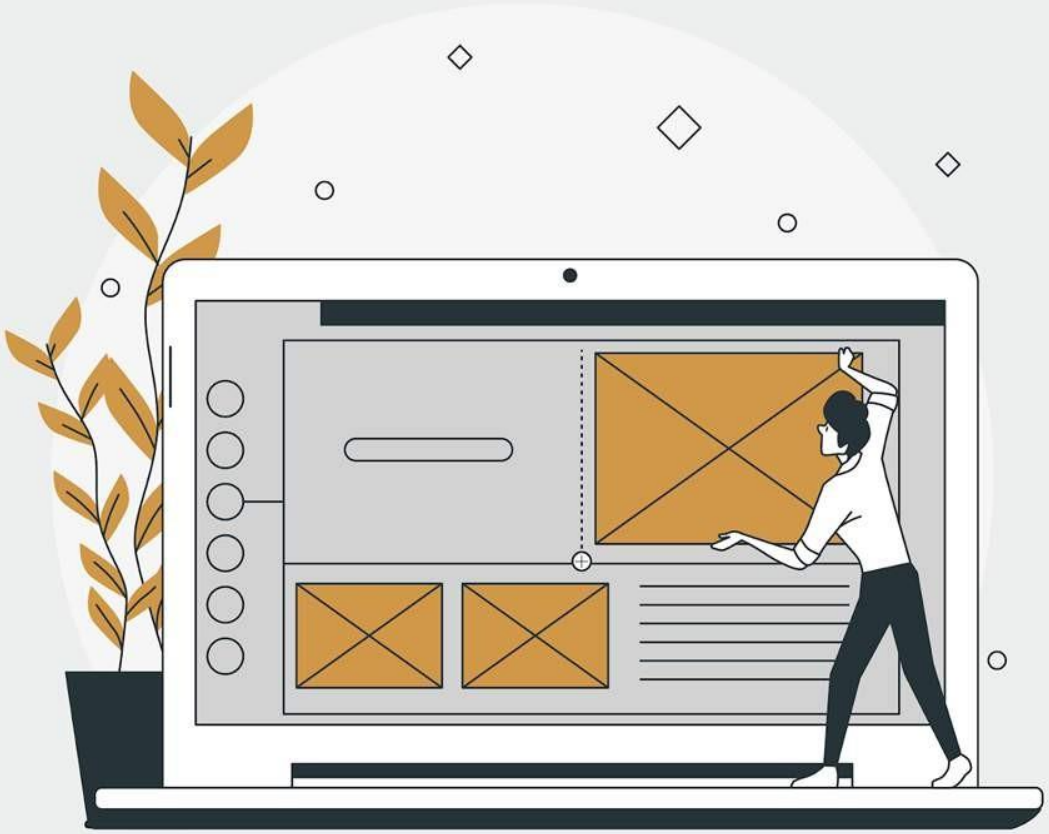
SUNSTONE

Portfolio Website

Task - 5



Portfolio Website

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Step-Wise Description

- **Introduction**: In this presentation, we will cover the process of hosting and deploying a fully functional portfolio website using HTML, CSS, React.js, Node.js, and database connectivity.
- **Hosting the Portfolio Website**: Making your website accessible from anywhere is crucial.
- **Hosting the Backend on AWS**: Utilizing AWS for hosting the backend ensures scalability and reliability.
- **Whitelisting API Ports and Database Hosting**: Whitelisting API ports enables external access to the backend and allows the backend to process API requests.
- **Migrating the Database to MongoDB Atlas**: MongoDB Atlas is a cloud-based database service that provides secure and efficient database management.
- **Building and Hosting the React App**: React.js allows the creation of interactive and responsive user interfaces for the frontend.
- **Connecting the Frontend with the Hosted Backend**: Configuring the hosted backend URL within the frontend code establishes the connection between the two.
- **Testing and Conclusion**: Thorough testing of both frontend and backend is vital to identify and resolve any issues before final deployment. By following these steps, we can successfully host and deploy a fully functional portfolio website.

Summary of your task

- In this presentation, we'll explore the hosting and deployment of a fully functional portfolio website. We'll cover key steps, including hosting the backend on AWS, whitelisting API ports, and migrating the database to MongoDB Atlas for scalability and security. Using React.js, we'll build and host the frontend, creating engaging user interfaces. Configuring the backend URL within the frontend ensures seamless communication between components. Thorough testing of both the frontend and backend guarantees a robust website. By following these processes, we achieve reliable hosting, accessibility, and optimal performance. Whether it's showcasing your work or attracting potential clients, hosting your portfolio website is essential.

Submission Github

https://github.com/Allan0781/RIT_NM_P5.git

Thank you!