

Project Report

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Domain: Cloud Computing Intern

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I. Overview:

The primary focus was on understanding USC_TIA and contributing to **MERN projects**. Additionally, efforts were made to leverage **E-learning platform** resources for skill enhancement.

II. Achievements:

- 1. USC_TIA Familiarization:
 - Explored USC_TIA documentation to **grasp core** functionalities.
 - Successfully executed basic tasks, showcasing **initial proficiency**.
 - Successfully **deploy** on the **cloud** without any **interruption**.

2. MERN Project Contributions:

Name of the project: - E-book Learning Platform App

- Contributed code to **E-book Learning Platform App** project with a focus on managing to whole department area and using feature for privacy and security of **admin and user**.
- Engaged in effective collaboration with team members.

3.Learning MERN: Frontend & Backend

- Acquired proficiency in essential **React libraries**, such as **HTML, Tailwind CSS, JavaScript, MongoDB, Express, Node js, Nodemon, Cors**.
- Applied MERN skills to **real-world problems** within USC_TIA context.

III. Challenges:

- Complex design in terms of **User Interface and User Experience**.
- Deploy on **cloud must challenging phase**.
- Fear of **data security breach**.
- Lack of IT -friendly medical personnel is also presenting several challenges.

1. USC_TIA Integration:

- Encountered challenges during USC_TIA integration with **VS Code, MongoDB, Express, React Js, Node Js, Google Cloud, Docker**.
- Ongoing efforts to troubleshoot and ensure successful integration.

2. MERN Project Complexity:

- Faced complexity in understanding Appointment Management, **Inventory Management**, Reporting and Analysis, **User Interface, security** and compliance of the mern project.
- Seeking guidance to overcome challenges and enhance understanding.

IV. Learning Resources:

- 1. USC_TIA Documentation:
 - Utilized USC_TIA official documentation for reference and troubleshooting.
 - Attended relevant webinars and online tutorials to **deepen understanding**.

2. MERN Learning Resources:

- Engaged with **upskill campus** and **online resources** to Mern skills.
- Participated in **Backend and Deployment** for practical application.

V. Next 's Goals:

- I will keep learning and **moving forward** with this passion.

- I will enhance my skills as **professionally & keep growth**.

1. USC_TIA Enhancement:

- Address integration challenges and explore advanced USC_TIA features.
- Collaborate with peers to contribute to USC_TIA improvement discussions.

2. MERN Project Development:

- Tackle more complex tasks within the mern project to increase **contribution**.
- I developed on **security system**, protection system, **user interfaces** and user friendly.
- I developed database system through **global server** with **unique Id & Password**.
- I worked on **fully responsive** all in one like as **Desktop, Mobile, Tablet & Iphone**
- Seek feedback from mentors and peers for continuous improvement.

VI. Additional Comments:

"I'm learning a lot of new things from this internship and your tutorial has also been helpful"