**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”*