Internship Daily Work Log

Company: Tech Elecon Private Limited

Name: Soni Nisharg Chandreshkumar

Internship Duration: 26/05/2025 to 26/06/2025

Domain: React + DevOps

GitHub Repo: https://github.com/Nisharg-04/TechElecon

# Day 1: 26/05/2025 (Monday)

## React:

* Watched initial 3 videos of Chai aur React to understand basic concepts like JSX, components, and props.
* Learned about functional components and state hooks.

## DevOps:

* Explored basic DevOps concepts and importance in project deployment.
* Set up AWS EC2 instance (Ubuntu) and installed necessary tools for future deployment.

# Day 2: 27/05/2025 (Tuesday)

## React:

* Watched 2 more videos from Chai aur React focused on props drilling and state management.
* Created a Props Drilling Mini Project to understand how data flows between nested components.

## DevOps:

* Wrote the first Dockerfile for the props drilling project.
* Built Docker image and tested it locally.

# Day 3: 28/05/2025 (Wednesday)

## React:

* Watched 2 videos on conditional rendering and lists in React.
* Built two accordion components: Single Select Accordion and Multi Select Accordion.

## DevOps:

* Dockerized accordion project with Dockerfile.

# Day 4: 29/05/2025 (Thursday)

## React:

* Watched 2 more videos on React hooks: useRef and useEffect.
* Built a Password Generator App with options for numbers, characters, symbols.
* Used useRef for selection and implemented a copy-to-clipboard button.

## DevOps:

* Created Dockerfile for Password Generator.
* Tested image build and container run locally.

# Day 5: 30/05/2025 (Friday)

## React:

* Watched a video on managing UI state.
* Made a Background Color Changer Project using state hooks to update background dynamically.

## DevOps:

* Wrote Dockerfile for the color changer project.
* Pushed image to Docker Hub.

# Day 6: 31/05/2025 (Saturday)

## React:

* Watched final video on routing in React.
* Built a Mini React Router Project implementing basic pages and navigation.

## DevOps:

* Dockerized the router project.

# Day 7: 01/06/2025 (Sunday)

## DevOps:

* Final Deployment Task: Launched EC2 instance on AWS, Installed Docker and Docker Compose.
* Pulled Docker images from Docker Hub.
* Successfully deployed the Mini React Projects as running containers on EC2.

## Day 8: 02/06/2025 (Monday)

**React:**

• Began learning Redux Toolkit basics: store configuration, slices, reducers, and dispatch.  
• Followed a mini tutorial on managing global state with Redux Toolkit.

**Day 9: 03/06/2025 (Tuesday)**

**React:**

* Implemented a **Cart Mini Project** using Redux Toolkit to manage cart items, quantity, and total price
* Learned how to connect React components with Redux using useSelector and useDispatch

**DevOps:**

* Reviewed Docker Compose and learned how to define multi-container applications.
* Set up docker-compose.yml for multi-project deployment setup.

**Day 10: 04/06/2025 (Wednesday)**

**React:**

* Completed **Cart Mini Project** using Redux Toolkit to manage cart items, quantity.

**DevOps:**

* Dockerized Cart Mini Project.
* Tested it locally using Docker Compose setup.