

Lakshmi Pooja R

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TECHNICAL SKILLS

Languages: HTML5, CSS3, SASS/SCSS, JavaScript, TypeScript, SQL (PostgreSQL)

Frameworks: ReactJS, Angular, NodeJS, ExpressJS

Developer Tools: Version Control - Git, Docker, Visual Studio code, Matlab, Jira, Bitbucket, Azdo, Confluence

Libraries: Redux, React tool kit, Tanstack Query, KonvaJS, React MUI, JEST, Playwright, Dygraph and PlotlyJS

EXPERIENCE

Front End Developer

June 2022 – Present

Soliton Technologies Private Limited

Coimbatore, Tamil Nadu

1. Robotic Device User Interface using React

- Developed user interfaces for a robotic device using React and Redux.
- Engaged in design discussions with the UI/UX team and customer communications to gather requirements and clarify doubts.
- Architected various reusable functional UI components and control logics.
- Ensured scalability with performance monitoring and optimization techniques.
- Adopted i18n library for multi language support and internalization.
- Explored multiple libraries and packages, finalizing and implementing the most suitable ones.
- Implemented unit testing using JEST.

2. Workspace Management Tool using React

- Worked on a workspace management tool for seat booking, food booking, pantry management, and asset management using React, Node, Express and PostgreSQL.
- Designed and developed Rest API for data handling.
- Participated in requirement analysis, writing acceptance criteria, development, code reviews and bug fixing.

3. NGO Dashboard using React

- Created a responsive dashboard for an NGO to maintain more than 10000 students data every year.
- Used dynamic form fields for simplified user interaction enhancing overall user experience.
- Utilized TanStack Query for React state management and API integration.
- Different user roles are maintained with each user role having different accessibility levels.
- Implemented table for displaying form data along with search, sort, filter and other functionalities.

4. Large Scale Industrial Data Visualisation using Angular

- Created a dashboard to display sensor data using various types of graph representation using Angular.
- Gained a brief knowledge in Angular Material, RxJS, DygraphJS, PlotlyJS, Karma, Jasmine and Playwright.
- Adopted Agile software development practices and principles to ensure smooth product delivery.
- Broke down complex features and implemented them along with comprehensive unit and end-to-end testing.
- Integrated RESTful API's for data communication.

Software Engineering Intern

July 2021 – May 2022

Soliton Technologies Private Limited

Coimbatore, Tamil Nadu

- Successfully completed an intensive internship program, gaining problem-solving skills and proficiency in web development fundamentals with HTML, CSS, JavaScript, NodeJS, Angular, and React.
- Gained brief experience with PowerBI, creating powerful dashboards and interactive visualizations for the management team. Analyzed large datasets, converting Python scripts to DAX scripts.
- Gained hands-on experience in the software development life cycle and object oriented programming.
- Transitioned into a Front-End Developer role, utilizing the front-end ecosystem to build interactive web applications.

Machine Learning Research Intern

Apr 2021 – June 2021

University of Montreal

Montreal, Quebec, Canada

- Worked on a project titled Human Movement Analysis Using Wearable Sensors and Artificial Intelligence.
- Collected data using sensors and used MATLAB to analyze it, developing accurate, robust Machine Learning model to recognize movement patterns

EDUCATION

Sri Ramakrishna Engineering College, June 2022

Bachelor's in Technology, Information Technology

Coimbatore, Tamil Nadu

CGPA:9.11/10