

## ReactJS Developer

### PROFILE

I work as a ReactJS Developer in TCS Retail Innovation Lab where I research, design, develop, and deploy solutions to showcase innovation in retail domain. I have a proven track record in front-end development of various web applications.

### WORK EXPERIENCE

#### INNOVATION ENGINEER

TATA CONSULTANCY SERVICES LTD | MARCH 2022 TO PRESENT

- Developed and maintained responsive web applications using ReactJS, ensuring seamless user experiences across various devices and browsers.
- Integrated animations and transitions using GSAP and AOS to enhance the visual appeal and interactivity of web interfaces.
- Utilized modern front-end development practices, including component-based architecture, state management with Redux, and RESTful API integration.
- Employed best practices in version control using Git, ensuring efficient code management and collaboration.
- Integrated animations and transitions using GSAP to enhance the visual appeal and interactivity of web interfaces.
- Collaborated with TCS UI/UX team on functional requirements for the application and

#### INTERN

FINSURGE PVT LTD | OCTOBER 2021 TO FEBRUARY 2022

- Developed responsive and interactive web applications using JavaScript, HTML, and CSS.
- Worked as a RPA developer to help to automate the web application for testing.

### EDUCATION

#### PONDICHERRY ENGINEERING COLLEGE

Bachelor of Technology, Computer Science Engineering (2017-2021)

#### Awards

- Innovista Top Seed** : Recognized for outstanding innovation and leadership.
- Innovista SparklesII** : Awarded for exceptional creativity and dedication.

### PROJECTS

#### VISUAL MERCHANDISING SOLUTION

- Developed an interactive platform for creating and sharing store layouts and planograms using ReactJS, Fabric.js, Three.js, NodeJS and JavaScript.
- Implemented by Swedish Fashion Retailer.

#### SMART CART

- Developed a smart cart system using Raspberry Pi, sensors, ReactJS, JavaScript and barcode scanner to track products in real-time.
- Implemented sensor fusion algorithm for accurate product detection, combining computer vision and weight measurements.

#### SMART SHELF

- Implemented smart shelf technology using load cells, ESP32, and NodeJS for real-time inventory tracking.
- Created a ReactJS-based web app for visualizing real-time shelf data and optimizing inventory management.

#### DASHBOARD FOR CASHIERLESS CHECKOUT

- Built a real-time analytics dashboard for cashierless checkout using ReactJS, NFC, Python and Node.js.

#### DIGITAL SHELF RAILS

- Developed an interactive digital display using ReactJS, HTML, CSS, and JavaScript, enabling real-time updates of customized advertisements, offers, and discounts on a shelf-mounted screen, enhancing customer engagement and retail experience.

#### TELEPRESENCE BOT

- Developed a remote-controlled robot using Raspberry Pi, Bluetooth, NodeJS and ReactJS.
- Built a telepresence robot platform with real-time video streaming and interaction via PeerJS and WebSockets.

#### FASHION SELF CHECKOUT

- Implemented RFID self-checkout for fashion shopping, reducing wait times with RFID Reader.
- Created a seamless checkout experience using RFID, Python and ReactJS, making shopping easier and faster.

#### RFID ITEM FINDER

- Implemented and Created a seamless shopping experience with RFID item finder for real-time inventory visibility, enhancing customer service with Python, RFID, Node.js, and ReactJS.

### SKILLS

- |              |            |                |
|--------------|------------|----------------|
| • REACTJS    | • NODEJS   | • TAILWIND     |
| • HTML , CSS | • PYTHON   | • BOOTSTRAP    |
| • JAVASRCIPT | • MONGO DB | • FIGMA        |
| • REDUX      | • GIT      | • RPA (UIPATH) |
| • RESTAPI    | • AGILE    | • ARDUINO      |