



# React JS Course Certification Training

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## About the Program

Intellipaate's React course is curated for the gradual adoption of JavaScript and its React library by learners. This training involves several technologies and methods that are necessary for learning and implementing React. Besides obtaining all the required skills to become proficient in React, you will learn JavaScript, creating a React app, and operators and expressions in React, along with many others. In the course, we will provide 24 hours of assistance, wherein you will be able to clear all your queries. Additionally, you will have other benefits, such as free course upgrades, lifetime access to the course material, job assistance via mock interviews, resume preparation, and more. We will also certify you with the React course completion certificate recognized by top organizations around the globe.

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## About Intellipaate

Intellipaate is one of the leading e-learning training providers with more than 600,000 learners across 55+ countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

Our courses are delivered by subject matter experts from top MNCs, and our world-class pedagogy enables learners to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help them jump-start their careers in their dream companies.

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# Key Features



**45 HRS INSTRUCTOR-LED  
TRAINING**



**40 HRS SELF-PACED TRAINING**



**90 HRS REAL-TIME  
PROJECT WORK**



**LIFETIME ACCESS**



**24/7 TECHNICAL SUPPORT**



**INDUSTRY-RECOGNIZED  
CERTIFICATION**



**JOB ASSISTANCE THROUGH  
80+ CORPORATE TIE-UPS**



**FLEXIBLE SCHEDULING**

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# Career Support



## **SESSIONS WITH INDUSTRY MENTORS**

Attend sessions from top industry experts and get guidance on how to boost your career growth



## **MOCK INTERVIEWS**

Mock interviews to make you prepare for cracking interviews by top employers



## **GUARANTEED INTERVIEWS & JOB SUPPORT**

Get interviewed by our 400+ hiring partners



## **RESUME PREPARATION**

Get assistance in creating a world-class resume from our career services team



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## Who should take up this course?

Following professionals can enroll in this online React course:

- Those who wish to build mobile apps using React
- Mobile Developers who want to learn a single language for writing cross-platform mobile applications
- Web Developers and Mobile Developers who are interested in building native apps using JavaScript

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# Program Curriculum

## React JS Training Course Content

- **ES6 PRIMER**

- 1.1 JavaScript history
- 1.2 ES6 and Babel
- 1.3 Arrow functions and template literals
- 1.4 Rest and spread operators
- 1.5 Classes and inheritance
- 1.6 Static methods and properties
- 1.7 Iterators and iterables
- 1.8 Generators

- **INTRODUCTION TO REACT**

- 2.1 Why React?
- 2.2 Version history of React
- 2.3 React 15 vs React 16
- 2.4 Using the create-react-app
- 2.5 Debugging the first React app

- **TEMPLATING USING JSX**

- 3.1 Working with React.createElement
- 3.2 Logical operators and expressions
- 3.3 Specifying attributes and children

- **COMPONENTS OF REACT**

- 4.1 Component architecture and its significance
- 4.2 Types of components

- **WORKING WITH PROPS & STATE**

- 5.1 State and its significance
- 5.2 Set and read states

- 5.3 Passing data to a component through props
- 5.4 Validation of props with propTypes
- 5.5 Using default props to supply default values to props
- 5.6 Rendering lists
- 5.7 Using the React key prop
- 5.8 Using the map function for iteration on arrays to generate elements

- **EVENT HANDLING IN REACT**

- 6.1 React event system and the synthetic event
- 6.2 Passing arguments to event handlers
- 6.3 Component life cycle
- 6.4 Significance of life cycle methods and real-time use cases

- **WORKING WITH FORMS**

- 7.1 Controlled and uncontrolled components
- 7.2 Significance of the default Value prop
- 7.3 Using the React ref prop to access the DOM element

- **ROUTING WITH REACT ROUTER**

- 8.1 Setting up the router
- 8.2 Understanding routing with the help of single-page applications
- 8.3 Working with HashRouter and BrowserRouter components
- 8.4 Configuration the router using the route component
- 8.5 Using switch component for defining routing rules
- 8.6 Using route params for making routes dynamic
- 8.7 Working with nested routes
- 8.8 Navigation to pages using NavLink and Link components
- 8.9 Using the redirect component to redirect the route
- 8.10 Using the prompt component to get user consent for navigation
- 8.11 Making use of the pathless route for handling failed matches

- **JUST REDUX & IMMUTABLE.JS**

- 9.1 What is Redux?
- 9.2 Why Redux?
- 9.3 Principles of Redux



9.4 Installation and the setup process of Redux

9.5 Creation of reducer, actions, and store

9.6 What is Immutable.js?

9.7 Collections in Immutable

9.8 Lists, sets, and maps

- **REACT REDUX**

10.1 What is React Redux, and why is it used?

10.2 Installation and setting up of React Redux

10.3 Container components vs presentational components

10.4 Understanding the high-order component

10.5 Understanding mapDispatchToProps and mapStateToProps usage

- **REDUX MIDDLEWARE**

11.1 Why Redux Middleware?

11.2 Choices available in Redux Middleware

11.3 Redux Saga

11.4 Setting up and installing Redux

11.5 Working with Saga helpers

11.6 Promises vs Sagas

- **UNIT TESTING**

12.1 Significance of unit testing

12.2 Understanding unit testing tools and jargons

12.3 Unit testing React components using Enzyme and Jest

- **NEW FEATURES OF REACT 16**

13.1 Handling exceptions in components

13.2 Error boundaries

- **WEBPACK PRIMER & ISOMORPHIC REACT**

14.1 Webpack and its use

14.2 Setting up and installing Webpack

14.3 Working with the configuration file of Webpack

14.4 Working with loaders

14.5 Quick word on lazy loading, code splitting, and tree shaking

14.6 Setting up a hot module replacement

14.7 Server-side rendering (SSR)

14.8 Working with renderToStaticMarkup and renderToString methods

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## Project Work

### React JS Training Projects

**Project 1:** Developing an iOS Calculator

**Domain:** iOS Application

**Problem Statement:** Build and implement an iOS calculator using React

**Topics:** Nested routes, Webpack, and expressions

**Highlights:**

- Implementing nested routes
- Using Webpack
- Understanding expressions and operators

**Project 2:** Building an Offline Image Compressor

**Domain:** Image Compressor

**Problem Statement:** Develop an offline image compressor with browser-image-compression and React

**Topics:** Redux, iterators, and rendering lists

**Highlights:**

- Installing Redux
- Utilizing iterators
- Creating rendering lists

# Certification

After the completion of the course, you will get a certificate from IntelliPaat.



## CERTIFICATE OF COMPLETION

This certificate is awarded to

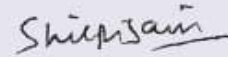
Your Name

Who has successfully completed

**Course Name**

Fulfilling all the requirements stipulated by IntelliPaat to achieve professional excellence.

Issued Date: Month XX, XXXX



Mrs. Shilpi Jain  
Director,  
intellipaate Software Solutions Pvt. Ltd.

VERIFIED  
CERTIFICATE

Certificate ID #94658291

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## Success Stories



### **Kevin K Wada**

Thank you very much for your top-class service. A special mention should be made for your patience in listening to my queries and giving me a solution, which was exactly what I was looking for. I am giving you a 10 on 10!



### **Sampson Basoah**

The Intellipaateam helped me in selecting the perfect course that suits my profile. The whole course was practically oriented, and the trainers were always ready to answer any question. I found this course to be impactful. Thank you.



### **Sugandha Sinha**

Intellipaate's course instructors were excellent and well-versed with their concepts. The support team solved all my queries within the promised 24 hours. They explained all topics and concepts well, and the course material was updated and included videos, exercises, etc. I would highly recommend Intellipaate to those who wish to excel in the IT field.



### **Paras J**

The instructor of this React training was amazing. He took time and effort to explain all the concepts in great detail. Besides, whenever I had any doubt during the lectures, he cleared it almost immediately. Also, the training material I got from Intellipaate was very comprehensive and informative.

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# CONTACT US

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If you have any further queries or just want to have a conversation with us, then do call us.

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