React

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About the Course

This Reactjs tutorial for beginners is taught in a practical GOAL-oriented way. It is recommended you practice the code assignments given after each Reactjs tutorial to learn Reactjs from scratch. This Reactjs programming for beginners course will help you learn basics of Reactjs and advanced concepts.

React (also known as React.js or ReactJS) is an open-source, front end, JavaScript library for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications

Key Features

52 hours of blended learning program

16 hours of rigorous capstone project training

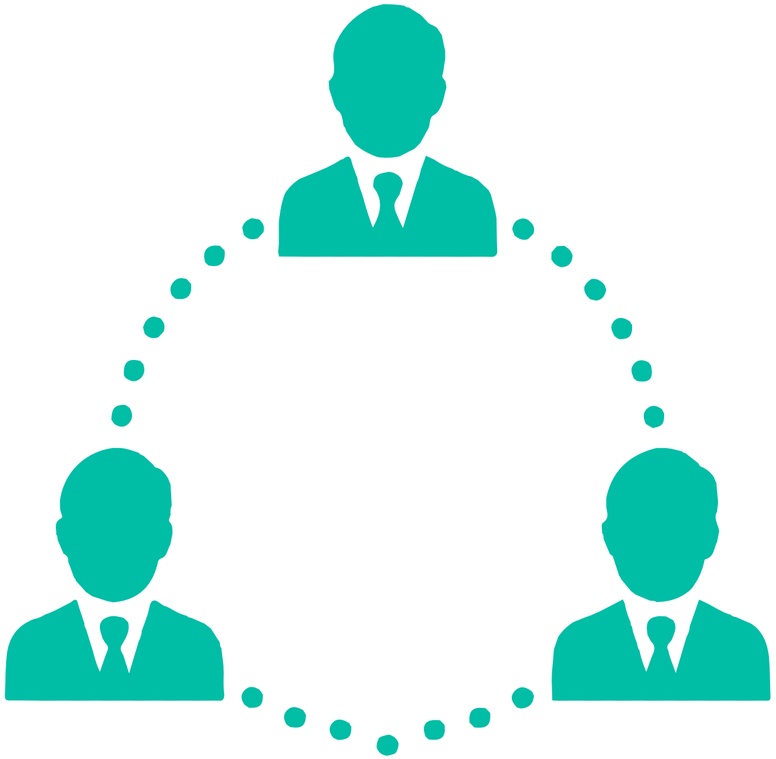
22 hours of online self-paced learning

20 lesson-end + 6 phase end hands-on projects

Program Outcomes

- Master software programming concepts, the basic building blocks of designing great apps
- Build awesome front-end features
- Test features with minimal effort and deploy features seamlessly to production
- Build a working industry application from scratch
- Choose your own stack as per the requirement and delivery timeline

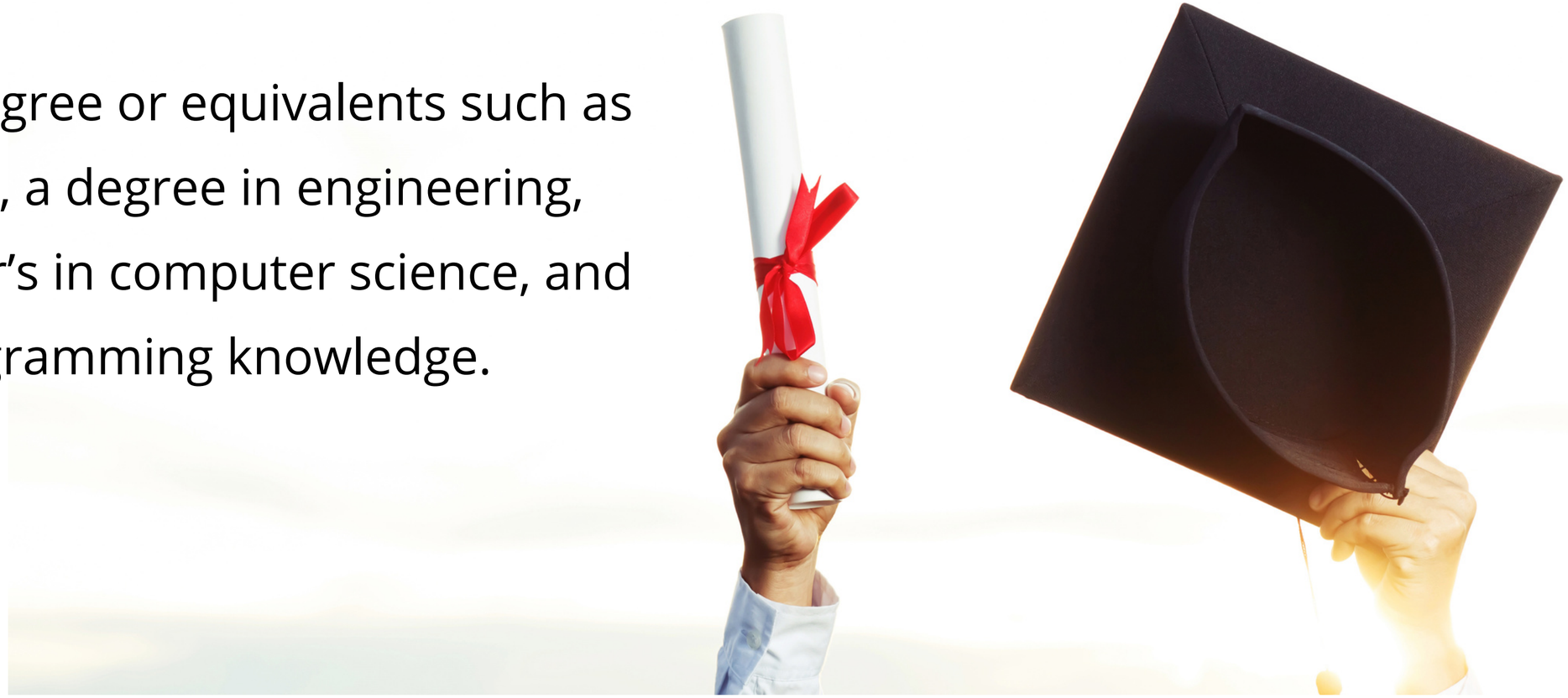
Potential Roles



ReactJS developers are front-end developers who build modern-day UI components to improvise application performance. They leverage their knowledge about JavaScript, HTML, CSS and work closely with testers, designers, web designers, and project managers to create a robust and effective application.

Program Eligibility Criteria and Prerequisites

Any technical degree or equivalents such as B.tech, M.tech, a degree in engineering, bachelor/master’s in computer science, and basic programming knowledge.



Learning Path

What is React JS

Overview of JSX

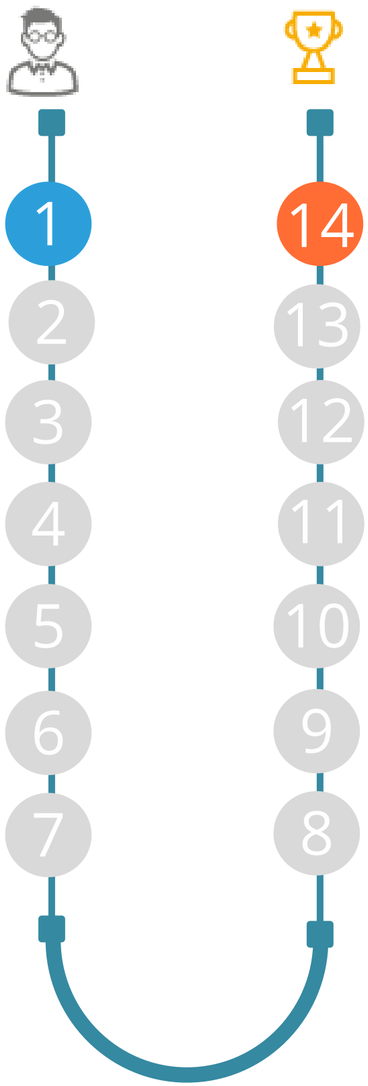
React JS Environment Setups

Real-Time Application By using React JS

React JS Forms and UI

React Js Component Life Cycles Overiew

Routing in React JS and Other JS Concepts



Capstone Project

Unit Testing Overview

Redux Overview

Flux Overview

React Router With Navigation

How to Write Styles in React JS?

Event Handling In JSX

STEP 1

what is react js?

Lesson 1 React JS Introduction

Lesson 2 Advantages of React JS

Lesson 3 Work flow of React JS

Lesson 4 Scope of React JS

STEP 2

Overview of jsx

Lesson 1 Introduction of Virtual DOM.

Lesson 2 Difference between JS and JSX.

Lesson 3 React Components overview

Lesson 4 Containers and components

Lesson 5 What is Child Components?

Lesson 6 What is Namespaced components?

Lesson 7 JavaScript expressions available in JSX?

STEP 3

React js environment setups

Lesson 1 Node setup

Lesson 2 How to use NPM?

Lesson 3 ES6 Introduction and features.

Lesson 4 Webpack Overview

Lesson 5 How to create package.js on and purpose of it?

Lesson 6 Best IDE for React JS and How to write optimized code in React JS?

Lesson 7 React JS browser plugins overview.

STEP 4

Real-time application by using react js

Lesson 1 Create a React component with JSX template.

Lesson 2 How to create Nested Components?

Lesson 3 What is React JS render?

Lesson 4 React Props overview.

Lesson 5 Introduction of Props validation with data types.

Lesson 6 Flow of States, Initialize states and update states.

STEP 5

react js forms and UI

Lesson 1 Lists of Form components.

Lesson 2 Setup Controlled and Uncontrolled form components.

Lesson 3 Control Input elements.

Lesson 4 How to set default values on all formats of Input elements

Lesson 5 React JS Form validations.

Lesson 6 How to write Styles?

Lesson 7 Animations overview

STEP 6

React js component life cycles overview

Lesson 1 Initial Render

Lesson 2 Props Change

Lesson 3 Stage Change

Lesson 4 Component willMount

Lesson 5 Component didMount

Lesson 6 Component Unmount

STEP 7

Routing in react js and other js concepts

Lesson 1 Single Page Application Overview.

Lesson 2 How to configure React Router?

Lesson 3 History of Router

Lesson 4 How to Handle Conditional statement in JSX?

Lesson 5 IIFE in JSX for complex logic overview.

STEP 8

Event handling in jsx

Lesson 1 onBlur, onKeyUp, onChange and other useful primary events in React JS.

Lesson 2 How to Sharing events between the components?

STEP 9

How to write styles in react js?

Lesson 1 CSS and inline styles in React JS overview.

Lesson 2 Introduction to styled components

STEP 10

React router with navigation

Lesson 1 How to Load the router library?

Lesson 2 Configure the React Router?

Lesson 3 How to Pass and receive parameters?

Lesson 4 Integration of React-cookie overview.

STEP 11

Flux overview

Lesson 1 What is Flux Architecture?

Lesson 2 What are the Flux Components available?

Lesson 3 Stores.

Lesson 4 Dispatchers.

Lesson 5 View Controllers.

Lesson 6 Actions.

Lesson 7 Views.

Lesson 8 How Flux works?

Lesson 9 Flux and React works together.

STEP 12

Redux overview

Lesson 1 Introduction to One Store.

Lesson 2 Provider Component

Lesson 3 Actions.

Lesson 4 Reducers.

Lesson 5 sagas

Lesson 6 Dispatchers

Lesson 7 View Controllers

Lesson 8 Selector

STEP 13

Unit testing overview

Lesson 1 What are the necessary Tools required for Unit Testing?

Lesson 2 React Unit Testing overview

Lesson 3 Introduction to JEST.

Lesson 4 How to Test React Component?

Lesson 5 How to Test React Router?

STEP 14 Capstone Project

Capstone project will allow you to implement the skills you've learned in this program across domains such as e-commerce, food delivery, entertainment, and healthcare. With dedicated mentoring sessions, you'll know how to solve a real industry-aligned problem. You will receive hands-on experience developing an entire application from scratch and deploying into a pseudo-production environment. The Capstone project is the final step in the learning path and will help you showcase your expertise to employers.

E-commerce

Create a dynamic and responsive Java e-commerce web application using technologies such as React.

Food Delivery

Build a food-delivery app from scratch using your knowledge of the Spring framework, web services, and React with a strong back end to support operations.

Entertainment

Create an entertainment application like BookMyShow using your back-end knowledge, API development, and HTML and CSS skills.

Healthcare

Build a dynamic and effective healthcare app. Create rich UI for effective diagnosis and health advice with React, and more.

Certificates

With a certificate, you can demonstrate that you possess certain knowledge, skills and competences, and prove that you meet a specific set of standards or requirements.

About Edera

Edera is a leader in digital skills training, focused on the emerging technologies that are transforming our world. Our Blended Learning approach drives learner engagement and backed by the industry’s highest completion rates. Partnering with professionals and companies, we identify their unique needs and provide outcome-centric solutions to help them achieve their professional goals.

All the best!

Lets connect and discuss more about your requirements

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