

TRENDNOLOGIES

UPSKILL AND UPGRADE YOUR IT CAREER

Chennai | Bangalore | Coimbatore

100% Placement Guarantee

**Supporting Job seekers in career Change and skill
enhancement program**



Trendnologies

Upskill & Upgrade Your IT Career

CHENNAI | BANGALORE | COIMBATORE

REACT with NODE JS TRAINING

React is a **JavaScript-based UI development library**. React is a library for building composable user interfaces. Although React is a library rather than a language, it is widely used in web development. The library first appeared in May 2013 and is now one of the most commonly used frontend libraries for web development. It encourages the creation of reusable UI components, which present data that changes over time



TRENDNOLOGIES – REACT with NODE JS TRAINING

100% Placement Assurance

SUPPORT JOB SEEKERS IN CAREER CHANGE AND UPSKILL PROGRAM.

We work with job seekers to meet them exactly where they are by offering personalized, customized support to meet their needs while assisting them in navigating their next career opportunity. Faced with the current realities of an ever-changing workforce, we believe our placement services must meet individuals exactly where they are. Our customized and personalized Training and Placement programs offers better career. More details visit:

WWW.TRENDNOLOGIES.COM

Audience for the Course

IT professionals , Software testers , System administrators , Solution architects , Security engineers , Application developers ,Integration specialists , windows Administrators, Java Developers, Data analysts and database administrators, Database Administrator, System architects, IT managers, IT administrators and operators, IT systems engineers, data engineers and database administrators, data analytics administrators, cloud, web engineers, Project Managers, Software Architects, ETL and Data Warehousing Professionals, Data Engineers, Data Analysts & Business Intelligence Professionals, DBAs and DB professionals, Senior IT Professionals, Testing professionals, Mainframe professionals, Graduates looking to build a career in IT Field.

Pre – requisites and Eligibility

There are no pre-requisites for React JS. However, a basic understanding of computer science technicalities and basic understanding of HTML, CSS, and JavaScript, Basic OOPS concept but it is not mandatory. Don't worry, we will cover fundamentals in detail in our course

“*REACT with NODE JS TRAINING*”

Chapter 1

- INTRODUCTION

Chapter 2

- React Concepts
- Declarative vs. Imperative
- Component Architecture
- One way Data Flow
- UI Library

Chapter 3

- Environment Setup
- NPM vs YARN
- Yihua's VSCode font and settings
- VSCode settings update
- Create React App - NPX
- Create React App - React-Scripts 1
- Create React App - React-Scripts 2
- Create React App - Everything Else
- Don't Eject
- Hooks vs Classes
- React 18 Strict Mode
- Class Components
- Component State
- setState
- States and Shallow Merge
- setState and Secondary Callback
- Mapping Arrays to Elements
- map() + key attribute
- Keys for Mapping
- Single Page Applications
- Lifecycle Method : componentDidMount
- Promises
- Renders & Re-renders in React
- Input Search Box Component

Chapter 3

- Searching & Filtering
 - filter(), includes()
 - Storing Original Data
 - Optimizations
- Understanding Components
 - CardList Component
 - Component Props
 - Rendering and Re-rendering
- SearchBox Component
- CSS in React
- Functional vs Class Components
- Class Component Lifecycle Methods Breakdown
- Functional Component Intro
 - Pure & Impure Functions
 - Hooks: useState
- Functional Component Re-rendering
 - Infinite Re-rendering
- Hooks: useEffect
- Remaining Components
 - DOM and Virtual DOM
 - React and ReactDOM
 - ReactDOM v18 Changes
 - DOM Paint Flashing
- Git + Github
 - Connecting with SSH To Github

Chapter 4

- Project Overview
- Scaffolding Our Capstone Project
- Setting Up Our Categories
- Adding Sass
- Category Item Component
- Directory Component
- Adding Fonts

Chapter 5

- Routing
- Updating/Upgrading Libraries
- Setting Up Our Homepage
- React Router Outlet
- Navigation Bar Component
- React Router Link
- Styling for Navigation + Logo

Chapter 6

- Setting Up Firebase
- AuthenticationFlow
- Async Await
- Authenticating with Firebase
- Introducing Firestore Data Models
- Setting Up User Documents
- Finish Creating User Documents
- Sign In with Redirect
- Sign Up Form
- Sign Up with Email + Password
- Generalizing Form Input Component
- Custom Button Component
- Sign In Form
- Finishing Authentication Page

Chapter 7

- Need For Context
- User Context
- Re-rendering From Context
- Signing Out

Chapter 8

- Observer: onAuthStateChange
- Finalizing Auth Listener
- Observer Pattern

Chapter 9

- New Shop Page
- Products Context
- Product Card Component
- Cart Icon & Dropdown
- Toggle Cart Open
- Add To Cart
- `reduce()`
- Cart Item Designs
- Creating Checkout Page
- Checkout Item
- Card Total

Chapter 10

- Firestore DB No-SQL
- `addCollectionAndDocuments`
- Get Products + Categories From Firestore
- Hash Tables vs Arrays
- Using Our Categories Map
- Category Preview Component
- Nested Routes in Shop
- Category Page

Chapter 11

- Fixing Clashing Styles
- Introducing Styled-Components
- Styled-Components - Button
- Styled-Components - Cart Dropdown
- Styled-Components - Directory Item & Cart Icon
- Styled-Components - Form Input Component

Chapter 12

- Deploying On Netlify
- Adding Redirects For Netlify

Chapter 13

- Reducers
- User Reducers
- Cart Reducer

Chapter 14

- Redux vs Context: Access
- Redux vs Context: Data Flow
- React-Redux: Installation
- Setting Up Our Store
- Creating User Reducer
- Selectors
- Categories Reducer
- Categories Selectors
- Business Logic in our Selectors
- What Triggers useSelector
- Demystifying Middleware
- Redux Triggers Extra Renders
- Memorization
- Reselect Library
- Migrating Cart Context to Redux

Chapter 15

- Redux-Persist
- Redux-Devtools

Chapter 16

- Asynchronous Redux: Redux-Thunk
- Redux-Thunk

Chapter 17

- Asynchronous Redux: Redux-Saga
- Generator Functions
- Redux-Saga: fetchCategoriesAsync Thank to Saga
- Converting onAuthStateChanged Listener To Promise
- Check User Session Saga
- Sign in Sagas
- Sign up Sagas
- Sign Out Sagas

Chapter 18

- Serverless Functions
- Serverless Functions Explained
- Setting up Stripe
- Setting Up Our PaymentForm
- Writing Our First Serverless Function
- Finishing Stripe Payment
- Tidying Up Our UI
- Adding Auth With Netlify URL
- Adding Environment Variables For Netlify

Chapter 19

- TypeScript Introduction
- Starting our Typing
- Typescript Interfaces
- Typescript Types & Third Party Library Types
- ChangeEvent Type From React
- Understanding Generics
- Typing React's setState

Chapter 20

- Crwn-Clothing Typescript Overview
- Typing createAction & Function Overloading
- Typing Category Action Creators
- Typing Category Selectors
- Discriminating Unions
- Type Predicate Functions
- Intersections & Return Types
- withMatcher Type
- Improving Our Reducer Typing
- Typing Redux

Chapter 21

- Typing Firebase Utils
- Typing User Actions
- Typing User Reduce & Selectors

Chapter 22

- Typing Rootstate
- Typing Third Party Libraries
- Typing Our Custom Middleware

Chapter 23

- Typing Categories Saga
- Typing User Sagas

Chapter 24

- Typing Button Component
- Typing Input & Form Components
- Typing SVG Imports
- Typing Our Payment Form

Chapter 25

- Don't Optimize for Performance Until You Need It
- Hooks: useCallback
- Hooks: useMemo
- React Devtools Profiling & React Memo
- Code Splitting, Dynamic Imports, Suspense & Lazy

Chapter 26

- Mobile Responsiveness

Chapter 27

- React Interview Questions + Advice

Chapter 28

- Progressive Web App

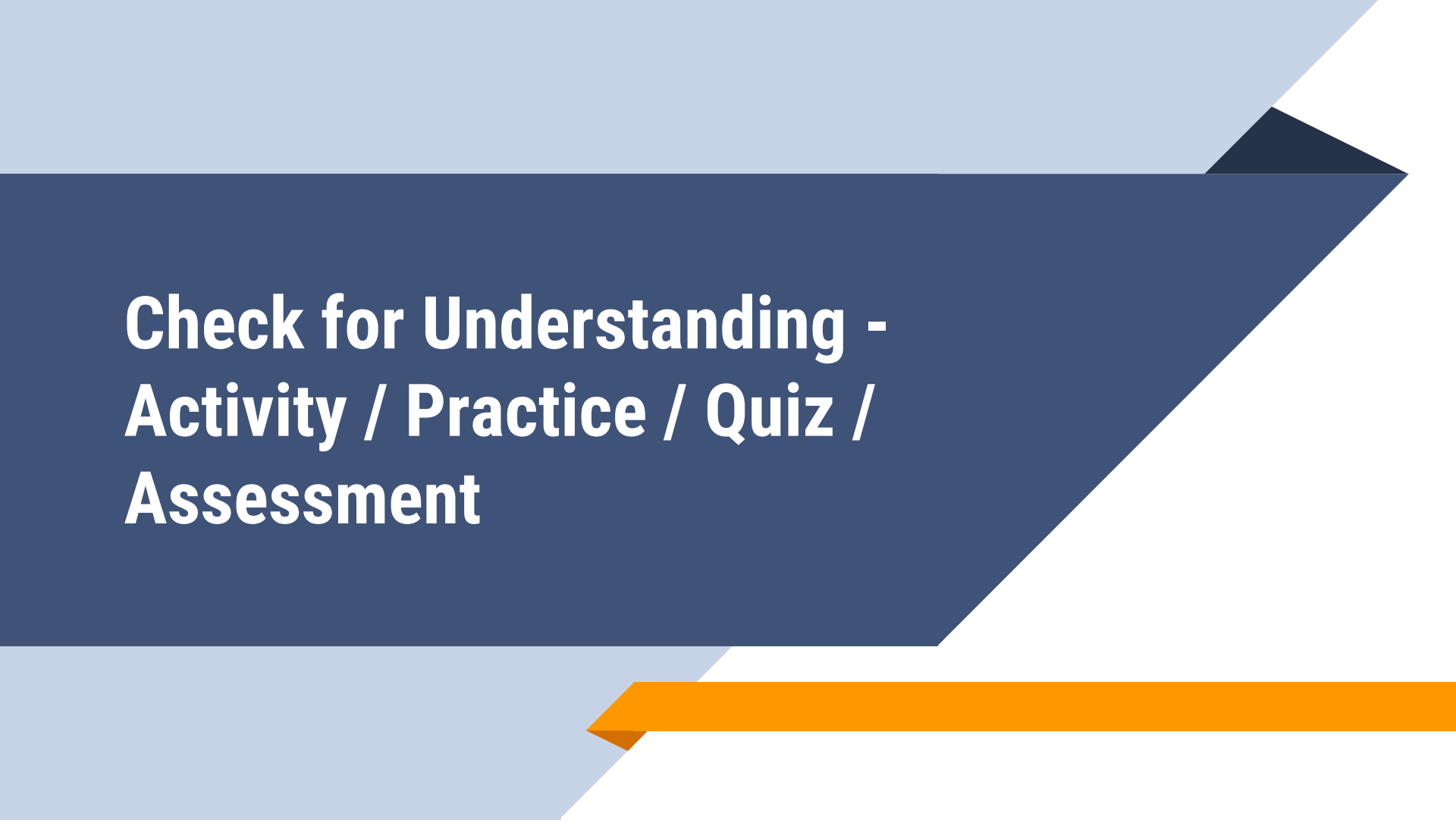
Chapter 29

- Testing in React

Chapter 30

- Webpack + Babel
- map()
- Promises
- filter()
- includes()
- Git + Github
- Async Await
- find()
- reduce()
- Memorization
- Currying
- ES6 Classes
- Inheritance

- Chapter 31 - GraphQL + Apollo Client
- Chapter 32 - Interview Questions
- Chapter 33 - Mock Interview and Mock Interview Answers
- Chapter 34 - Resume Preparation session and sample resumes

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Check for Understanding - Activity / Practice / Quiz / Assessment

Batches

Week days batch

- Class Room Training
- Online Instructor LED Training
- Online Self-paced training

Weekend batch

- Class Room Training
- Online Instructor LED Training
- Online Self-paced training

Fast Track batch

- Class Room Training
- Online Instructor LED Training
- Online Self-paced training

Our End to End Placement Process



Why Trendnologies

- 10+ years of delivering exceptional service to candidates in Training and placements
- Fast Track Placement in 30 days
- 100% Placement assurance
- Managed by IT Experts as Trainers
- Customized support addressing your needs
- Personalized approach / dedicated attention
- Personalized career counseling
- Personalized consulting, planning and support
- Job oriented theoretical & Practical Classes
- More focus on hands-on and use cases
- Focused on case studies and Real-time projects
- Complete end to end training soft material
- Guidance for Resume preparation and interview preparation
- Training along with Career guidance and Certification guidance
- Comprehensive career solutions across India, USA, UK and UAE

KNOW ABOUT OUR TRAINERS TEAM

- Trendnologies React training in Chennai is led by experts with over a decade of experience. Additionally, our Trainers at TRENDNOLOGIES assist and guide you for certification examinations
- Administrated and mastered by highly skilled industry experts with 20+ years of strong IT experience in leading MNC companies as Architect and Senior Technical consultant
- 10+ Years of Hands-on expertise in IT industry
- Our Trainers are certified professionals with 9+ years of experience in their respective domains as well as they are currently working with Top MNCs
- 10+ years of delivering exceptional service to candidates in Training and placements
- Completed 100+ classroom and 100+ online batches successfully
- Our instructors are industry experts and subject specialists who have mastered the art of running applications and giving students with the Best training
- We have earned various significant awards from renowned IT firms Training in Chennai

KNOW ABOUT OUR TRAINERS TEAM

- Trained and Placed over 3000+ professionals in a single year
- Experience professional and Placement oriented instructional technical trainers
- Proven ability to plan and execute programs on time
- Knowledge of "current best practices" and the latest research in the use of technology to enhance teaching and learning
- Our Trainers have worked on a variety of on-going projects in their respective industries
- Trainers also assist candidates in being placed in their particular companies through the Employee Referral / Internal Hiring procedure

- ❖ 100% Placement guarantee
- ❖ Career Oriented Training
- ❖ Hands-on with Case Studies
- ❖ Industry Expert Faculties
- ❖ Fast track placement mode
- ❖ Managed and mastered by highly skilled Industry Experts

- ❖ Both Classroom Training and Online Training
- ❖ Complete Career Guidance
- ❖ Mock Tests and Interviews
- ❖ Resume Preparation and Interview preparation support
- ❖ Multiple revision classes through our training library
- ❖ Placement in Top MNC Company

- ❖ Online Professional Certification assistance
- ❖ Technical Job Support after course completion and Placement
- ❖ Job Assistance | Access to official content aligned to exam
- ❖ Practice Labs & Projects with integrated Cloud labs
- ❖ Support 24/7 * 365 days

BRANCHES - CHENNAI

Annanagar Branch I

F22, 2C & 2D, Second floor,
Second Main Road,
Annanagar East,
Chennai - 600102
86819 62962

Medavakkam Branch

#29, M.S Complex,
Second Floor,
Anna Street,
Medavakkam.
Chennai – 600100
84288 88962

Annanagar Branch II

New no. 83, Old no. M-9-B, M
Block
Annanagar East,
Near K4 Roundtana,
Chennai – 600102
86809 62962

Placement Division

F22, 3D third floor,
Second Main Road,
Annanagar East,
Chennai – 600102.
91763 62962

BRANCHES - COIMBATORE

Coimbatore Branch I

#778, Mettupalyam Road,
R S Puram
Coimbatore – 641002
93600 93938

Coimbatore Placement Division

KB complex 105 ,
Lokamanya Street East,
R S Puram ,
Coimbatore – 641002
8428444962

BANGALORE Branch

#421, 4th floor South
block Manipal centre,
MG Road
Bengaluru – 560042
84286 66962



THANKS!

Visit our website for more details :

WWW.TRENDNOLOGIES.COM

Contact @ [82709 62962](tel:8270962962)