

COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3 | CIN : U72900HR2021PTC096283

Email : query@countryedu.com, grievances@countryedu.com

React.js Development Immersion Internship

Designed by: CountryEdu Private Limited

By CountryEdu Private Limited

(IT Managed Services & EdTech Solutions)

Program Objective :

To transform students into job-ready React.js Developers capable of:

- Building modern, responsive, and dynamic web applications using React.js
- Understanding component-based frontend architecture and UI development workflows
- Developing interactive user interfaces with reusable React components
- Gaining hands-on experience in API integration, state management, and deployment
- Learning industry-standard coding practices, debugging, and version control workflows
- Preparing students for careers in React.js Development and Frontend Engineering

Program Structure :

- Duration: 12 Weeks (3 Months)
- Mode: Hybrid / Live / Classroom
- Tools Used: HTML5, CSS3, JavaScript, React.js, Bootstrap, GitHub, VS Code, Postman
- Learning Model: Project-Based Learning Model
- Final Outcome: Ability to build and deploy modern React.js web applications + Internship Certificate

MONTH 1 – FRONTEND DEVELOPMENT & REACT FUNDAMENTALS

Week 1: Introduction to Web Development & React.js

- Introduction to Frontend Development
- Understanding React.js & SPA Architecture
- HTML Basics & Webpage Structure
- CSS Fundamentals
- JavaScript Basics
- Setting Up React Environment

~ Outcome: Strong foundation in frontend development and React.js basics

Week 2: JavaScript for React Development

- Variables & Data Types
- Functions & Arrow Functions
- Arrays & Objects
- DOM Manipulation Basics
- ES6 Features
- Asynchronous JavaScript Basics

~ Outcome: Ability to write modern JavaScript code for React applications

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Week 3: React.js Fundamentals

- Introduction to Components
- JSX Syntax
- Props & State
- Event Handling
- Conditional Rendering
- Lists & Keys

~ Outcome: Ability to build reusable and interactive React components

Week 4: Advanced React UI Development

- React Hooks Basics
- useState & useEffect
- Forms Handling
- Routing with React Router
- Bootstrap & Responsive UI Design
- UI/UX Best Practices

~ Outcome: Ability to create professional and responsive React.js user interfaces

MONTH 2 – ADVANCED REACT DEVELOPMENT

Week 5: API Integration & Data Handling

- REST API Basics
- Fetch API & Axios
- JSON Data Handling
- API Integration in React
- Loading States & Error Handling
- Dynamic Data Rendering
- ~ Outcome: Ability to connect React applications with external APIs and services

Week 6: State Management & Advanced Concepts

- Advanced React Hooks
- State Management Basics
- Context API
- Component Lifecycle Concepts
- Code Reusability Techniques
- Performance Optimization Basics

~ Outcome: Ability to manage application state and optimize React applications

Week 7: React Project Architecture

- Folder Structure Best Practices
- Authentication Basics
- Protected Routes
- Form Validation
- Local Storage Handling
- Debugging React Applications

~ Outcome: Ability to structure and manage professional React.js applications

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Week 8: GitHub & Deployment

- Git & GitHub Workflow
- Version Control Basics
- Deployment using Netlify & Vercel
- Environment Variables
- React Build Process
- Project Optimization Techniques

~ Outcome: Ability to professionally manage and deploy React.js applications

MONTH 3 – LIVE PROJECT & CAREER READINESS

Week 9–10: React.js Project Development

Students work on real-world React.js Projects such as:

- E-Commerce Frontend
- Portfolio Website
- Weather Application
- Blogging Platform UI
- Task Management Application
- Admin Dashboard System

Project Includes:

- Requirement Analysis
- UI/UX Planning
- Component Development
- API Integration & Testing
- Final Project Presentation

~ Outcome: Ability to build complete real-world React.js applications

Week 11: Deployment & Professional Workflow

- Project Deployment Workflow
- Hosting & Domain Basics
- Portfolio Development
- GitHub Project Management
- Project Documentation
- React Application Presentation Techniques

~ Outcome: Ability to professionally deploy and present React.js projects online

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Week 12: Interview & Career Preparation

- React.js Technical Interview Preparation
- Resume & LinkedIn Optimization
- Mock Interviews
- Coding Challenges
- Freelancing & Internship Guidance
- Career Pathways (React Developer, Frontend Developer, UI Developer, Web Developer)

~ Outcome: Placement-ready React.js Developer with practical project experience

Key Skills Developed

- HTML5, CSS3 & JavaScript
- React.js Development
- React Hooks & Routing
- REST API Integration
- State Management
- Responsive UI Design
- Git & GitHub Workflow
- React Deployment & Optimization

Target Roles After Completion

- React.js Developer
- Frontend Developer
- UI Developer
- Web Developer
- JavaScript Developer
- Freelance React Developer

Why This Program is Industry-Ready

- ✓ 100% Project-Based Learning
- ✓ Real-world React.js Application Development
- ✓ Modern Frontend Development Workflow
- ✓ Industry-standard Development Practices
- ✓ Portfolio & Career Preparation Included

From Beginner to Professional — Become a React.js Development Expert in 3 Months.