

COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3 | CIN : U72900HR2021PTC096283

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

2-Months React.js Development Immersion Internship

Designed by: CountryEdu Private Limited

By CountryEdu Private Limited

(IT Managed Services & EdTech Solutions)

Program Objective :

- Understanding modern frontend development using React.js and JavaScript
- Developing expertise in component-based architecture, state management, and responsive UI development
- Learning React Hooks, routing, API integration, and performance optimization techniques
- Building dynamic, scalable, and interactive web applications using industry-standard practices
- Understanding frontend deployment, testing, and application lifecycle management
- Preparing students for careers in React.js Development, Frontend Engineering, Web Development, and Full Stack Development

Program Structure :

- Duration: 8 Weeks (2 Months)
- Mode: Hybrid / Live / Classroom
- Tools Used: React.js, JavaScript (ES6+), HTML5, CSS3, Bootstrap, Tailwind CSS, GitHub, VS Code, REST APIs
- Final Outcome: Dynamic React Web Application Project + Internship Certificate

MONTH 1 – REACT.JS DEVELOPMENT FOUNDATION

Week 1: Introduction to React.js & JavaScript Fundamentals

- Introduction to Frontend Development
- React.js Ecosystem & Architecture
- JavaScript ES6+ Fundamentals
- Variables, Functions & Arrow Functions
- Components & JSX Fundamentals

~ Outcome: Strong foundation in React.js development and modern JavaScript programming concepts.

Week 2: React Components & State Management

- Functional Components
- Props & Component Communication
- State Management Fundamentals
- Event Handling Techniques
- React Component Lifecycle Basics

~ Outcome: Ability to create reusable React components and manage application state effectively.

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Week 3: React Hooks & Advanced Concepts

- useState Hook
- useEffect Hook
- Custom Hooks Fundamentals
- Conditional Rendering
- Lists, Keys & Dynamic Data Rendering

~ Outcome: Ability to build dynamic and interactive React applications using Hooks.

Week 4: Styling & Responsive UI Development

- CSS Integration in React
- Bootstrap Framework Fundamentals
- Tailwind CSS Basics
- Responsive Web Design Techniques
- UI Component Design Best Practices

~ Outcome: Ability to develop responsive and visually appealing user interfaces.

MONTH 2 – ADVANCED REACT.JS DEVELOPMENT

Week 5: Routing & API Integration

- React Router Fundamentals
- Navigation & Route Management
- REST API Integration
- Fetch API & Axios
- JSON Data Handling

~ Outcome: Ability to build multi-page applications and integrate external APIs efficiently.

Week 6: Advanced State Management & Performance Optimization

- Context API Fundamentals
- Global State Management Concepts
- Component Optimization Techniques
- Lazy Loading & Code Splitting
- React Performance Best Practices

~ Outcome: Ability to develop scalable and optimized React applications.

Week 7: Testing, Security & Deployment

- React Application Testing Fundamentals
- Debugging Techniques
- Frontend Security Best Practices
- Build & Deployment Process
- Hosting React Applications

~ Outcome: Ability to test, secure, and deploy production-ready React applications.



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Week 8: Industry Practices & Professional Workflow

- Git & GitHub Version Control
- Agile Development Methodologies
- Code Review & Collaboration Practices
- Project Documentation Standards
- React Development Best Practices

~ Outcome: Ability to work in professional frontend development environments following industry standards.

LIVE PROJECT & CAREER READINESS

Major Project Development

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

- E-Commerce Web Application
- Task Management Dashboard
- Online Learning Platform
- CRM Frontend Application
- Portfolio & Personal Branding Website
- Real-Time Data Visualization Dashboard

Project Includes:

- Requirement Analysis & Planning
- UI/UX Design Implementation
- Component Development & Routing
- API Integration & Data Management
- Testing & Deployment
- Final Project Presentation

~ Outcome: Fully functional industry-level React.js application demonstrating frontend development, API integration, responsive design, and deployment capabilities.

From beginner to job-ready — Become a React.js Development Professional in 2 Months.