



Summer Internship+Training Program

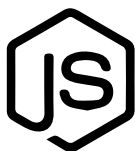
Full Stack Development MERN Stack



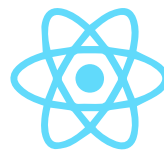
HTML



CSS



Node JS



React



Mongo DB

express

Express

Who we are

We are Learn and Build - an e-learning platform by TechieNest Pvt. Ltd. Furthering our 10+ years of strong legacy and training over 200K candidates from 300+ reputed colleges/universities, we aim at making quality technical upskilling accessible to learners across the country. We work as the cornerstone for budding technocrats and stepping stone for working professionals, enabling India with technology creators.



What are Summer Internship Training Programs?

The Summer Internship cum Training Program is designed to fill the gap between theory and practice and to compare and contrast between the same. It aims to make our audience understand the ground reality of the industry.

Outcomes to Expect

- 01 Live technology training in industry's leading domain
- 02 Assessments and Assignments for your better evaluation
- 03 Career Guidance
- 04 Project Building
- 05 Industry Recognized Certificate

Who should apply?

Anyone pursuing a professional degree and interested in the technical domain is eligible. Irrespective of your current college year or the field of your studies, you can apply for this internship.

Full Stack Development

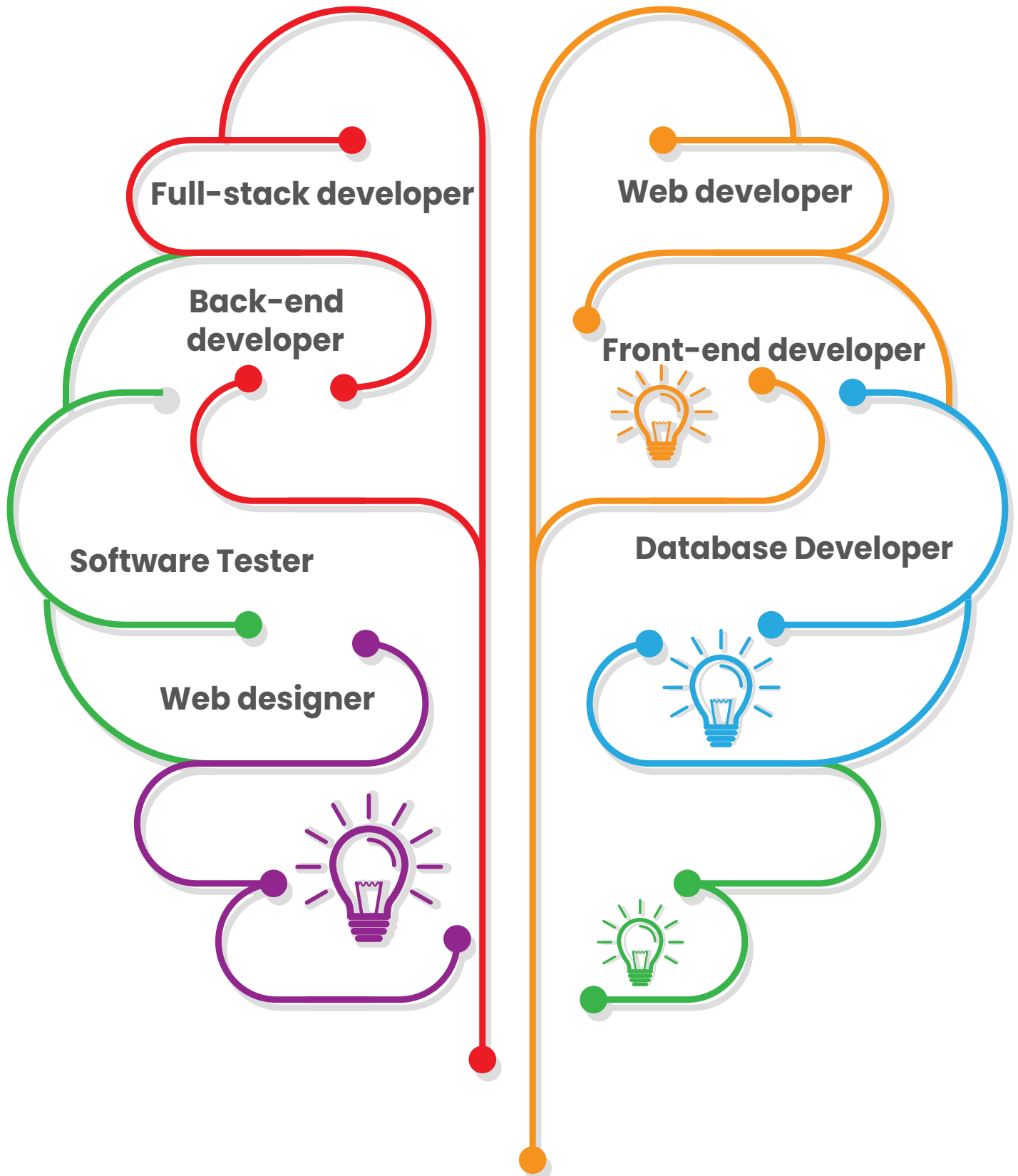
Using MERN & AWS Cloud Integration

FULL Stack Developer Training is a 360° training program designed to train participants in creating enterprise-style applications with server-side code using Node.js, Express framework, front-end development using Angular/React and Databases with Mongo DB. This course is an ideal package for individuals who want to pursue their career in the field of Web Development.

Why should you learn this?

- The Technology of TODAY and TOMORROW
- A constant force to push the limits of what minds are capable of.
- To know and utilize the learning capability of Real-time working elements.
- To make future applications
- With this course, you would be able to design and develop Next Gen websites & Web pps by your own.

Career Opportunities



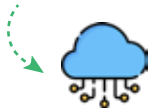
Key Takeaways



Frontend Knowledge



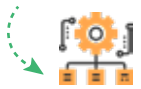
Backend- Node JS



AWS & Azure Cloud



Data Structure



Web Structure



Project Management



- Education
- E- Commerce
- Health
- Delivery Services
- Technology
- Social Media
- IoT
- Live Interactions



Your Success is Our Success

50+

Hiring Partners

200K+

Learners

300+

Institution Tie-ups

25+

Technology Experts

45+

Technologies

10K+

Sessions Delivered

Curriculum

01. HTML 5.1

5 hrs

- ❖ Introduction with Hyper Text Markup Language
- ❖ Introduction of tags
- ❖ Empty and Container Tags
- ❖ Html elements, attributes, tables
- ❖ Html Lists, div with CSS float
- ❖ Html forms
- ❖ Html other important tags

02. CSS

5 hrs

- ❖ Introduction of Cascaded Style Sheets
- ❖ Inline CSS, Internal CSS, External CSS
- ❖ Box model and Margin, Padding
- ❖ Float property
- ❖ Positioning in CSS

03. Bootstrap Framework

4 hrs

- ❖ Introduction of Bootstrap
- ❖ Bootstrap carousal
- ❖ Grid Basic, Typography
- ❖ Tables, Images, Jumbotron,
- ❖ Wells, Alerts,
- ❖ Buttons, Button Groups,
- ❖ Glyphicons, Badges/Labels,
- ❖ Progress Bars, Pagination, Pager
- ❖ List Groups, Panels, Dropdowns, Collapse
- ❖ Tabs/Pills, Navbar,
- ❖ Forms, Inputs
- ❖ Carousel, Modal, Tooltip, Popover
- ❖ Affix, Filters

04. JavaScript Basic

5 hrs

- ❖ Introduction to Javascript
- ❖ Variables,
- ❖ Operators: Arithmetic, Assignment, Bitwise; Booleans
- ❖ Data Types: Strings; Numbers; Arrays; Dates; Date Formats
- ❖ Type Conversion
- ❖ Functions
- ❖ Objects, Events
- ❖ Math; Random
- ❖ Control statements
- ❖ RegExp; Errors; Scope
- ❖ Strict Mode
- ❖ this Keyword; Let; Const;
- ❖ Debugging
- ❖ JSON

05. React JS

10 hrs

- ❖ Introduction to Basic building blocks of Web Application Development. HTML-CSS-JS
- ❖ SPAs and React Web Apps.
- ❖ ReactOverview.
- ❖ Single Page Apps VS Multi-Page Applications.
- ❖ What is a DOM, VirtualDOM and ShadowDOM?
- ❖ Installing Reactand writing our first Hello World code.
- ❖ The Folder Structure of React Application.
- ❖ Basic Building Blocks of React – (components,state,props,jsx)
- ❖ What are the components? Understanding the component basics & different types of components.
- ❖ What are the functional components and container components?
- ❖ Creating your first class-based component and functional component.
- ❖ Understanding JSX and JSX restrictions.
- ❖ Component Nesting.
- ❖ What are props and a simple understanding of props?
- ❖ Passing Props into components.
- ❖ Accessing props inside the components.
- ❖ Creating reusable dynamic components

06. UI and Components Styling In React

4 hrs

- ❖ Styling React components. The different ways of styling the react components.
- ❖ Inline styles and external styles to the components.
- ❖ Using styled-components.
- ❖ Creating a navigation-bar in reactJS.
- ❖ Introduction to React Router.
- ❖ Creating Routes to our Navigation Bar.

07. React Architecture

5 hrs

- ❖ Components configuration with state, props and children.
- ❖ Understanding and using state and props, and Differences between props and state
- ❖ Handling Events
- ❖ Manipulating the state with setState() method
- ❖ Difference between stateless and stateful components.
- ❖ Adding two-way binding.
- ❖ Rendering content conditionally.
- ❖ Making API REQUESTS with React.
- ❖ Fetching data – Axios vs Fetch.
- ❖ Building Lists from data
- ❖ The purpose of keys in lists and Implementing keys in lists.
- ❖ Handling User Input with forms and events.
- ❖ Controlled Elements versus uncontrolled elements.
- ❖ Handling forms submitted.
- ❖ Understanding this in Javascript and solving context issues.
- ❖ Communicating child to parent.
- ❖ Handling user Input of dynamic forms
- ❖ Handling form submission(MAKING API CALL)
- ❖ Adding Custom Form Validation.
- ❖ Showing validation errors and other error messages.
- ❖ Handling overall form validity.

08. Redux and advance Concepts

8 hrs

- ❖ Using Refs for DOM Access.
- ❖ Redux, and The complexity of managing state.
- ❖ Understanding the Redux flow.
- ❖ Adding Redux to the React Project and Redux Devtools.
- ❖ What is the provider and adding the provider?
- ❖ Setting Up the Reducer and the Store
- ❖ Dispatching the Actions.
- ❖ Adding Subscriptions.
- ❖ Connecting React to Redux.
- ❖ Connecting the store to react.
- ❖ Dispatching the Actions from within the Component.
- ❖ Passing and Retrieving Data with Actions.
- ❖ Switch Case in the reducer
- ❖ Updating the State and the Array Immutable.
- ❖ Combining multiple Reducers.
- ❖ Handling Authentication in React.
- ❖ The Context System with React.
- ❖ Replacing Redux with Context or using both together.
- ❖ Higher-Order Components in React.
- ❖ The concept of Render Props.
- ❖ Error Boundaries.
- ❖ React.Fragments

09. Hooks

5 hrs

- ❖ Introducing Lifecycle methods.
- ❖ Why use Lifecycle methods
- ❖ React Hooks – An Introduction, Why React Hooks
- ❖ Moving from classes to functional components
- ❖ Introducing the first Hook: useState Hook and Second Hook: useEffect Hook
- ❖ Data Fetching with hooks/replacing the class lifecycle methods
- ❖ Fetching data on component mount with useEffect
- ❖ Using the useRef Hook
- ❖ Displaying loading state with useState

- ❖ Error Handling and displaying errors with useState
- ❖ The useReducer Hook
- ❖ Using the useContext Hook"

10. NodeJS

4 hrs

- ❖ What is Node
- ❖ Node Architecture
- ❖ How Node Works
- ❖ Installing Node
- ❖ Your First Node Program

11. Node Module System

4 hrs

- ❖ Introduction
- ❖ Global Object
- ❖ Modules
- ❖ Creating a Module
- ❖ Loading a Module
- ❖ Path Module
- ❖ OS Module
- ❖ File System Module
- ❖ Events Module
- ❖ Event Arguments
- ❖ Extending EventEmitter
- ❖ HTTP Module

12. Node Package Manager (NPM)

5 hrs

- ❖ Introduction
- ❖ Package.json
- ❖ Installing a Node Package
- ❖ Using a Package
- ❖ Package Dependencies
- ❖ Installing a Specific Version of a Package
- ❖ Updating Local Packages

- ❖ DevDependencies
- ❖ Uninstalling a Package
- ❖ Working with Global Package"

13. Building RESTful API's Using Express

6 hrs

- ❖ Introduction
- ❖ RESTful Services
- ❖ Introducing Express
- ❖ Building Your First Web Server
- ❖ Nodemon
- ❖ Environment Variables
- ❖ Route Parameters
- ❖ Handling HTTP GET Requests
- ❖ Handling HTTP POST Requests
- ❖ Calling Endpoints Using Postman
- ❖ Input Validation
- ❖ Handling HTTP PUT Requests
- ❖ Handling HTTP Delete Requests
- ❖ Project- Build the Genres API
- ❖ Building RESTful APIs with Express Recap

14. Mongo DB

6 hrs

- ❖ Introducing MongoDB
- ❖ Installing MongoDB on Windows
- ❖ Connecting to MongoDB
- ❖ Schemas
- ❖ Models
- ❖ Saving a Document
- ❖ Querying Documents
- ❖ Comparison Query Operators
- ❖ Logical Query Operators
- ❖ Regular Expressions
- ❖ Counting
- ❖ Updating a Document
- ❖ Removing Documents

15. Mongo – Data Validation

2 hrs

- ❖ Validation
- ❖ Built-in Validators
- ❖ Custom Validators
- ❖ Async Validators
- ❖ Validation Errors
- ❖ SchemaType Options

16. Deployment

4 hrs

- ❖ Introduction
- ❖ Heroku intro
- ❖ Account creation on Heroku
- ❖ Preparing the App for Production
- ❖ Adding the Code to a Git Repository
- ❖ Deploying to Server
- ❖ Testing the app

17. Capstone Project

Integration of whole learning for Project Work

3 Simple Steps to Apply



Step 1
Click on the Link



Step 2
Fill in your Details



Step 3
Enrol Yourself

Mode of Program: Online | Offline

Program Fees

Only @ INR 2950/-

For Online Mode

Only @ INR 5900/-

For Offline Mode



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