



MASTERCODE
INFOTECH



MONGO DB

(Database System)

ex

EXPRESS JS

(Back-End Web Framework)



REACT JS

(Front-End Web Framework)



NODE JS

(Back-End Runtime Environment)

MERN
Stack
Development

MERN Stack



React Native

TOP BRANDS THAT USE REACT JS



Facebook



Instagram



WhatsApp



Twitter

NETFLIX

Netflix



Yahoo! Mail



Dropbox



Atlassian



Salesforce



Codecademy



New York Times



Taskade



Postmates



Reddit



Cloudflare



Tesla



BBC



GitHub



Asana



Flipboard



PayPal



Podio



Uber



Airbnb



Walmart



Zendesk



Skype



SoFi



Shopify



Twitch

About Us

Mastercode infotech is operational in the city of Pune aka 'Oxford of the East'. We are an IT training service provider, offering certificate courses in software and several programming languages.

Our highly trained and experienced team is committed to ensure that our pupils acquire the skills which are most sought after and, are monetarily rewarding in the long run in the job market. Our objective is crystal clear i;eto help our candidates ace in the skills most desired in the tech industry and thus, increasing their suitability for various job roles.

Overview

MERN stack stands out for its versatility, efficiency, and end-to-end JavaScript implementation when building web applications. It allows developers to leverage a single language, JavaScript, across the entire stack, enabling code reuse and streamlining the development process. Here is a brief explanation of the stack's four components:

MongoDB provides a flexible and scalable data management solution.

Express.js simplifies writing code and building back-end components for application development.

React, known for its component-based architecture and efficient rendering, empowers developers to build dynamic and interactive user interfaces.

Node.js enables fast and event-driven back-end development, facilitating seamless communication between the front-end and back-end components

Course Objective

Learn MERN stack course typically focuses on how to develop web applications using the MERN (MongoDB, Express.js, React, Node.js) technology stack. The MERN stack is a popular choice for building modern web applications, providing a full JavaScript stack for both the front-end and back-end development in order to get well paid job.

Eligibility

Bsc / BCA / BCS / BE / B.Tech/ MSc/MCA/MCS Recent Pass Out Only

HTML

- ★ Training Overview ,Installation Setup and System Configuration Developer Tool, OS basics, HTML basics, History
- ★ Boiler Plate, Skeleton, First Web Page Project, heading , Paragrapgh tag, pre tag
- ★ HTML Elements, Path, Image tag, Anchor tag
- ★ Lists tag, Marquee tag,nested list, Nested marquee
- ★ Table tag, Nested Table, Table data merging colspan ,rowspan
- ★ Float Property, Clear Property, Div tag, Nested Div And Eg
- ★ Iframe tag and Forms Part 1
- ★ Forms Advanced
- ★ Semantic Elements and Non -Semantic Elements, Audio, Video, Progress, Embed, Additional Tag



CSS

- ★ CSS Intro, Ways To Write , CSS Selectors
- ★ Box Model margin, padding, border, outline, margin, padding, border-radius
- ★ box-sizing, CSS Colors, background properties, min-max height width
- ★ CSS Font Property, text Property, CSS Units And Dimensions
- ★ Positioning In CSS, z-index
- ★ text shadow, box-shadow, overflow
- ★ visibility property
- ★ CSS Transition, Transform Effects
- ★ Flexbox in CSS
- ★ Media Query Pseudo Elements :link, hover active visited



Bootstrap

- ★ Intro, Setup CDN, Local Setup, text, bg classes
- ★ Button, Button Group, Alert, Spinner
- ★ Margin, Padding, Typography
- ★ Components-Card, image, Progress Bar
- ★ Collapse And Accordion , Dropdown, Modal
- ★ Bootstrap Navbar , Carousel / SliderTable
- ★ Grid System- Responsive UI
- ★ Latest Version Bootstrap Components, and V4 vs V5



Javascript

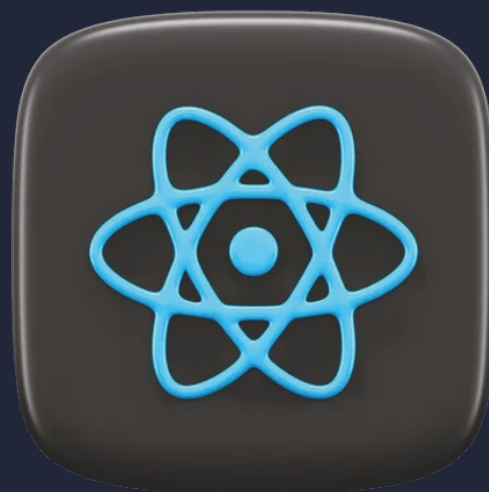
- ★ JS Basics history, introduction, Features
- ★ Why JS output possibilities, variables identifiers
- ★ Ways to write js const, let, var keyword
- ★ data types JS operators Part 1
- ★ Types – ES-6 Operators
- ★ control statements – Conditional Statements– if else, nested, Switch Statement
- ★ Looping Statement – while, do while, looping statements, for loop
- ★ function intro, return keyword, Parameter, Arguments arguments and rest parameters, ways to write function
- ★ call back, nested, self invoked functions
- ★ objects, methods in objects, nested objects and its methods
- ★ Array intro , ways to create Array , Nested Array Object, Looping in Array for in And for of
- ★ Array method part 1 Array method part 2
- ★ Advanced Strings , string methods
- ★ Events, keyboard events form , window events addEventListener Method
- ★ DOM And Its methods How dom works DOM
- ★ property method part 2 And Its Properties
- ★ querySelector , querySelectorAll
- ★ BOM And How BOM works , Dialog Boxes– Alert, Confirm, Promp
- ★ history, location, navigation object and Properties Date, math objects
- ★ set interval, set timeout
- ★ Modern JS Advanced Guide Session



- ★ Sync and Async, Promises, Async Await, Array Destructuring Spread Operator How JS Works
- ★ querySelector , querySelectorAll
- ★ BOM And How BOM works , Dialog Boxes- Alert, Confirm, Prompt
- ★ history,location,navigation object and Properties
- ★ Date, math objects
- ★ set interval,set timeout
- ★ Modern JS Advanced Guide Session
- ★ Sync and Async, Promises, Async Await, Array Destructuring Spread Operator How JS Works

React.js

- ★ Introduction – React Features , History , Features
- ★ React Project Setup – Local , CDN, Command,Environment Setup
- ★ What Is Npm , Babel, Webpack And How it Works Execution Flow,
- ★ Angular Vs React difference ,
- ★ Virtual dom ,
- ★ Ways to Rendering HTML ,
- ★ What Is JSX and Features, CSS, JS, Integration, Babel Working
- ★ property method part 2 And Its Properties
- ★ Components and Types Of Components
- ★ State Object State Props Object
- ★ What IS JSON and Its Methods
- ★ Json server Setup , API Calling , Postman, HTTP Methods React Form, Formik Package And Form Validation
- ★ Axios Package And CRUD Operation using Axios , Data get and select part 1



- ★ **CRUD Operation using Axios , Data Update and delete part 2**
- ★ **Redux – State Management Librar**
- ★ **What Is Redux Toolkit And How Redux Works ?**
- ★ **How It works And Events In React Ecommerce App Data Hide Show using State**
- ★ **React Router DOM And Its Config and Setup Hooks Basics (Routing Hooks)**
- ★ **Hooks In React useState, useEffect,useRef hooks implementation**
- ★ **useMemo,useContext,useCallback Hooks implementation useReducer , Custom hooks , introduction additional Hooks**
- ★ **Life Cycle method Mounting Phase**
- ★ **Updating , unmounting Phase**

MongoDB

- ★ **Mongo VS SQL**
- ★ **Setup Environment for Mongodb**
- ★ **JSON Intro.**
- ★ **JSON Vs XML**
- ★ **JSON DT**
- ★ **JSON Pares, JSON Object, Json Array**
- ★ **Model & Schema**
- ★ **ODM & ORM**
- ★ **Mongodb Querys**
- ★ **Mongodb Atlas Cloud (Database as-a- servies)**



Express.js

- ★ Express.js Intro
- ★ Express App
- ★ Package.json
- ★ Express.json() Function
- ★ Express Mount Event
- ★ req.cookies property
- ★ res.cookies()Function
- ★ router.all()Function
- ★ Basic web server & HTTP request
- ★ Express-jwt (for Web Auth tokens)



Node.js

- ★ NPM vs NPX vs YARN
- ★ Node HTTP
- ★ Node NPM
- ★ Node Event Loop
- ★ Node Bulid-in Module
- ★ Node Server
- ★ RestFul Api vs Soap
- ★ Promise ,Await & Async
- ★ what is CORS?
- ★ AuthError Handling



SPM

- ★ Git vs BitBucket
- ★ Asana Vs Jira
- ★ Wireframe tools like adobe Xd, figma template
- ★ Miro for workflow
- ★ Canvas , ResumeKraft

React Native

01

Introduction to
React Native

02

Core
Components

03

Styling

04

Navigations

05

Forms

11

Working with HTTP,
network requests, and
accessing restful service

06

Lists

07

Cross-platform
APIs

08

iOS specific APIs

09

Android specific
APIs

10

Persistence

12

Bridging

13

Application
Development



What will you Learn in this MERN Course?

In Our MERN Certification Training, you will Learn

- ★ JavaScript
- ★ Arrow functions
- ★ Event handling
- ★ Default value prop and ref prop
- ★ Static methods
- ★ React 15
- ★ JWT token Authentication
- ★ User & password hashing
- ★ Server side uploads (Multer)
- ★ ODM & ORM
- ★ React 16
- ★ Logical operators
- ★ Set state and read state
- ★ Rendering lists
- ★ Redux and React Redux
- ★ React router and key prop
- ★ Mongoose data connection
- ★ User Login Without password
- ★ Promise based APIs
- ★ Deployment in google playstore & apple store

Your Journey Starts Here

Demo Session

Enroll

Study Material and Syllabus

Classroom / Online Training

Live Project Work

Mock Interview

Soft Skill Session

Course Certificate

Assured Placement

Live Project Work

Soft Skill Training


 **English Communication**

 **Mock Interview**

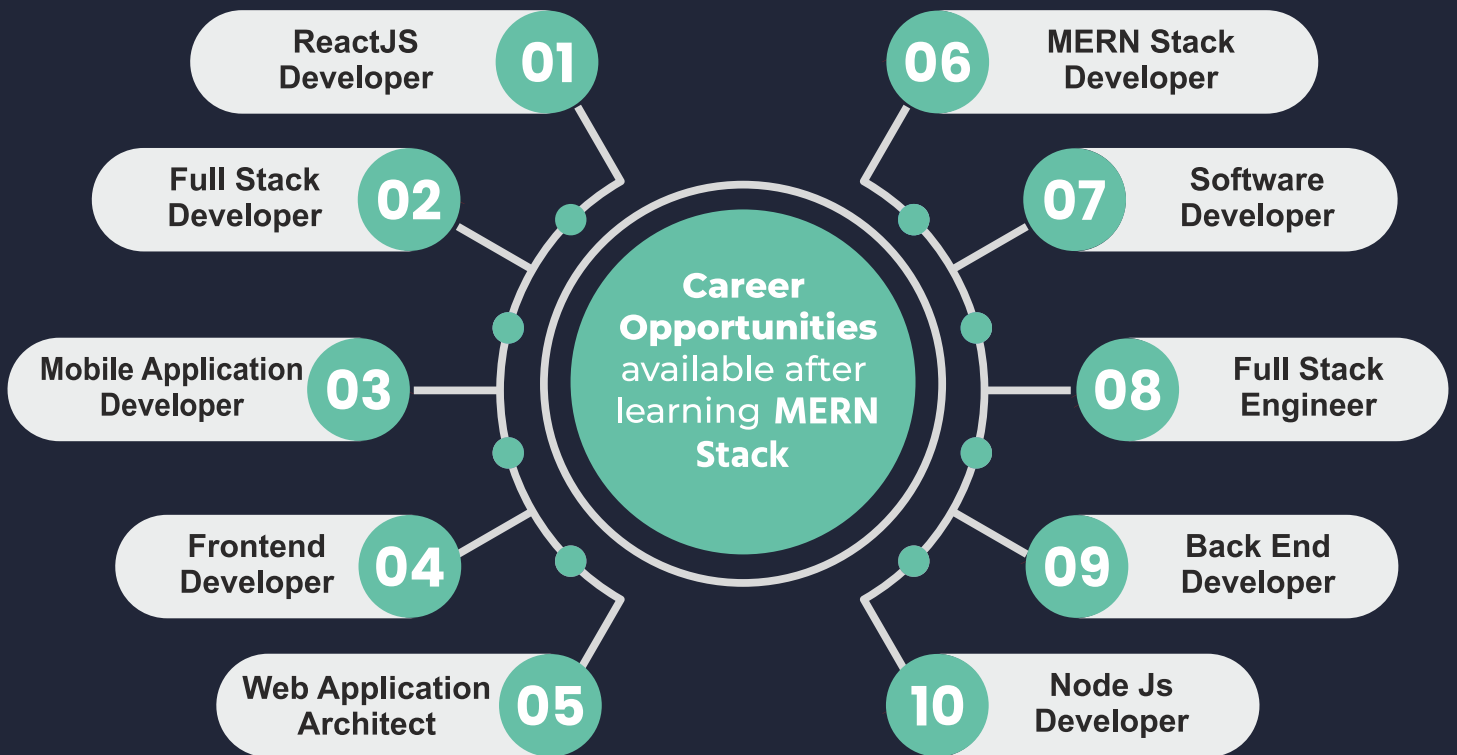
 **HR Interview Sessions**

Interview Preparation 

Resume Writing 

Interview Facing Tips, etc. 

You can look forward to work in the following job profiles upon the completion of the Data Science training in Pune :



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GET IN TOUCH



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