



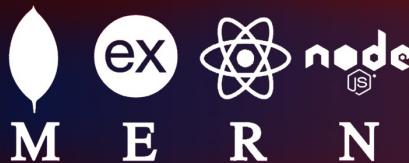
MERN Stack Course

Become Proficient in MongoDB, ExpressJS, ReactJS & NodeJS!

Online Training



Career in



Learn the Most Versatile Tech Stack for Web Development



MERN Stack is in Huge Demand

The majority of modern and complex projects for websites and web apps are built on MERN Stack (MongoDB, ExpressJS, ReactJS, & NodeJS).



Varied Job Roles and Career Options

When you have the MERN stack skills, you can choose to become a Full-Stack Developer, MERN Stack Developer, ReactJS Developer, Backend Developer, or Front-End Developer.



Lucrative Salary Packages

The average salary of MERN Stack developers in India is above INR 5 lakh per annum. With experience and level of skills, it goes beyond INR 10 LPA.



Flexibility & Freelance Opportunities

Web Developer role is also suitable for remote jobs and freelancing. You can work for international companies and grab high-paying gigs or projects.



Great Growth Prospects And Promising Career

There is a growing demand for MERN Stack Developers in India and globally. Even the MAANG (Meta, Amazon, Apple, Netflix, Google) are hiring MERN Stack Developers.



Easy Learning Curve

It sounds difficult to learn technical things, but MERN is easy-to-learn and beginner-friendly. Our trainers make your learning experience effortless.



Become a Full-Stack Developer

MERN includes the aspects of both front-end and back-end development. It means you can become a full-stack developer after this skill-oriented training.

Who Should Go for This MERN Stack Training?

Anyone can easily learn and practice MERN skills. You don't need to have a technical background, specific graduation, or other formal qualifications. All you need to have is interest and passion. Our expert trainers will take care of the rest.



College Student

Start shaping your career right from college time by learning in-demand skills like MERN Stack development.



Graduate

Time for you to upskill, prepare yourself for a bright future, and kickstart a career in web development.



College Dropout/Job Seeker

Not sure which career is right for you? Not finding any jobs? Learn MERN stack development with us to land your first job.



Freelancer

Whether you are an existing freelancer or want to become one, MERN is the most-rewarding skill for freelancers.



Business Owner

As a business owner, you can learn it yourself or choose our corporate training program to upskill your team/new joiners.



Looking to Switch Career

Not satisfied with your current job profile? Switch to MERN Stack development, an easy-to-learn, most impressive, and highly-paid skill.

A Brief About WsCube Tech

India's Most Trusted IT Training Institute

WsCube Tech is a leading IT training institute and software development company based in Jodhpur. Since 2010, WsCube Tech has trained **1,50,000+ students** and offered internship opportunities to 3,500+ candidates.

In addition, WsCube Tech is one of the fastest-growing tech-based YouTube channels in India, with a community of **1.5+ Million** subscribers and **8+ Million** monthly views.

With an expert team of trainers in various technological fields, the institute has helped thousands of students across India and other Asian countries to acquire new skills and explore high-paying career opportunities.

Our learners are working at startups, top companies, and brands across India and globally.



Our *Flourishing Journey* Over The Last Decade

Start

Kushagra Bhatia, a visionary entrepreneur, laid the foundation of WsCube Tech in Jodhpur as a Web Development Company.

The institute witnessed great success which made us introduce **Advanced PHP Course and Android App Development** Course.

There was high demand for more courses. That's when we Introduced **Training in C, C++, Java, and Digital Marketing** for both college and school students.

Won training assignment from ISRO and offered Web & Mobile Technology training. Started Java Training. Reached milestone of 5,000+ students.

2010

2011

2012

2013

2014

2015

2016

Worked on **200+ Website Projects**.

Expanded to include training division
Introduced Class room based PHP & ASP.NET courses for college students.

Expanded the service portfolio with Android/iOS app development, WordPress, and SEO.
Launched **Classroom Training** on iOS Development, WordPress, and SEO.

By now, we had worked on **8K+ Projects** & trained **3K+ Students**.
Introduced CakePHP course. Created a YouTube channel to offer free tutorials.

Introduced professional courses on **Robotics**, **PLC-SCADA**, and **Advanced Python**.

2,000+ students and working professionals enrolled in these courses.

During the pandemic, introduced **LIVE classes** for most courses.

Doubled the frequency of videos published on YouTube. Surpassed 100K+ Subscribers.

Hit the milestone of **1 Million subscribers** on YouTube. More than 110 batches (online + classroom) run per month now, with over 45 courses.

2017

2018

2019

2020

2021

2022

Adopted robust web frameworks like NodeJS, AngularJS, & Laravel for projects. Started **Python and Machine Learning Courses** and trained 2,000+ students.

Crossed **50K+ YouTube Subscribers**.

Started providing pre-recorded online courses. New courses were also launched for various programming languages.

Introduced **Ethical Hacking & Penetration Testing courses** (both online and offline). Published 1750+ tutorials on YouTube and crossed 500K subscribers.

There is no looking back!



1.5+ Million Subscribers



1:1 Personalized Mentorship



3500+ Internship Candidates

Why
Learn
MERN Stack
Development
With
WsCube
Tech
Only?





Trusted by **1.5+ Million** Learners

We are the #1 preference of more than 15 lakh learners in India and Asian countries. Our training quality and support system intrigue learners.



Expert Trainers

You will learn from expert trainers having 10+ years of experience in the field. We ensure high-quality training always aimed at career-building.



Completely Practical-Oriented

MERN Stack Development is a skill that requires immense practice. For that, we offer 100% practical training with regular assignments, assessments, and projects.



Industry-Recognized Certification

The certificate you receive on course completion is valid nationally and internationally. You can easily share it, add it to your resume, and explore great opportunities.



Online & Offline Batches

You can upskill yourself from anywhere by joining our live training batches. We also provide intensive & digitized classroom training in Jodhpur.



Career Assistance

To help you build a great career as a web developer, our team offers you career guidance, prepares you for interviews, and assists you in finding job opportunities.



Hands-On **15+ Projects**

You will get to work on multiple projects during the training so that you gain some experience and confidence in building robust and responsive websites and web apps.



Comprehensive Curriculum

The MERN Stack course by WsCube Tech includes India's most comprehensive curriculum, covering all breadths and depths in detail & practically.



Dear Learner,

We know that we are influencing the foundations of your future, and we take this responsibility very seriously. With WsCube Tech, I ensure that you always get top-class training backed by practical projects and future prospects.

As the proud founder of WsCube Tech, I wish you a successful & thriving career.

All the best!

A handwritten signature in black ink, appearing to read "Kushagra".

Kushagra Bhatia,
Founder, WsCube Tech



MERN STACK

Course Curriculum

What You'll Learn in This MERN Stack Course? (Latest Syllabus)

The well-structured & comprehensive curriculum to help you build a career in the world's fastest-growing web development tech stack!

Part- I: HTML, CSS, JavaScript, jQuery, Tailwind CSS

Module 01

HTML

- HTML Editors
- HTML Basics
- HTML Elements
- HTML Images
- HTML Links
- HTML Lists
- HTML Attributes
- HTML Headings
- HTML Paragraphs
- HTML Styles
- HTML Formatting
- HTML Comments
- HTML Blocks
- HTML Classes
- HTML ID

- Border Style
- Border Radius
- Text Indentation
- Text Transformation
- Letter Spacing
- Line Height
- Font Families
- Font Color
- Font Style
- Float and Clear
- Margin And Padding
- Text Alignment
- Text Decoration
- Word Spacing
- Text Shadow
- Position

Module 02

CSS

- Introduction to Cascading Style Sheet (CSS)
- CSS Syntax and Selectors
- CSS Colors
- CSS Backgrounds
- CSS Borders
- Setting height and width
 Background Color
- Background Image
- Background Repeat
- Border
- Types of Border in CSS

Module 03

CSS3

- Introduction to CSS3
- CSS Rounded Corners
- CSS Border Images
- CSS Multiple Backgrounds
- RGBA Colors
- CSS Gradients
- CSS Shadow Effects
- CSS Text Effects
- CSS 2D Transforms
- CSS 3D Transforms
- CSS Transitions
- CSS Animations
- CSS Styling Images

Course Curriculum

- CSS Buttons
- CSS Multiple Columns
- Resize
- CSS Box Sizing
- Details Tag
- Dialog Tag

Module 04

HTML 5

- Introduction To HTML5
- <!DOCTYPE html>
- Header Tag
- Footer Tag
- Article Tag
- Section Tag
- Figure Tag
- Aside Tag
- Audio Tag
- Video Tag
- Details Tag
- Dialog Tag
- Main Tag
- Nav Tag
- Summary Tag

Module 05

JavaScript

- Introduction to JavaScript
- Basics of JavaScript
- JS Comment
- JS Variable
- JS Global Variable
- JS Data Types
- JS Operators
- JS If Statement

- JS Switch
- JS slider
- JS Loop
- JavaScript DOM
- JS Events
- onclick
- onmouseover
- onmouseout
- onkeydown
- onload
- JS validation
- JS window.print()

Module 06

jQuery

- What is jQuery?
- Adding jQuery Library to Pages
- Basic jQuery Examples
- How to download jQuery?
- jQuery Syntax
- The Document Ready Function
- How to use Custom Scripts?
- How to use Selectors?
- CSS Element Selector and ID Selector
- CSS Element Class Selector and Universal Selector
- CSS Multiple Elements E, F, G Selector
- jQuery Callback Functions
- Get Attribute Value
- Set Attribute Value
- How to Apply CSS Properties?
- Setting Element Width & Height
- JQuery CSS Methods
- JQuery Online Effects
- Slider
- Lightbox

Course Curriculum

Module 07

Bootstrap

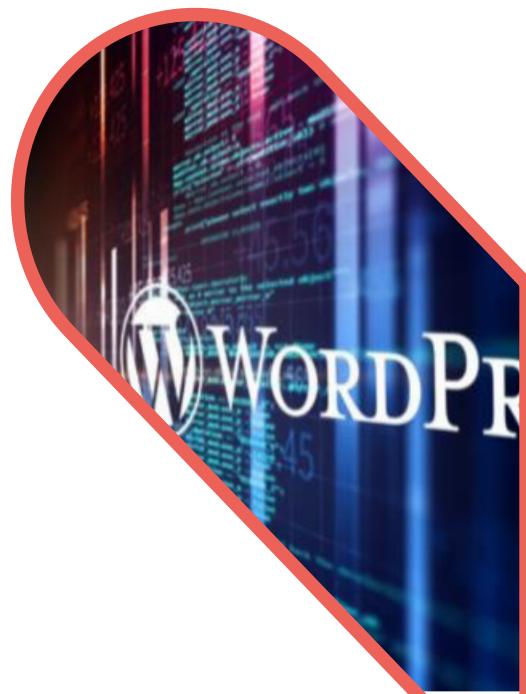
- What is Bootstrap?
- How to Install Bootstrap and jQuery?
- Media Query
- Bootstrap Grid System
- Containers
- Rows
- Columns
- Multiple columns
- Resetting columns
- Offsetting columns
- Nesting columns
- Push & Pull
- Bootstrap Components
- Glyphicons
- Dropdown
- Video
- Nav & Navbar
- Carousel
- Tabbing
- What is Media Query?
- What is Responsive Web Design?
- What screen resolutions do you use while taking screenshots?

Module 08

Tailwind CSS

- Getting Started with Tailwind CSS
- Core Concepts
- Customization
- Base Styles
- Layout
- Flexbox & Grid
- Spacing

- Sizing
- Typography
- Backgrounds
- Borders
- Effects
- Filters
- Transitions & Animation
- Transforms
- Two projects using Tailwind CSS



Course Curriculum

Part-II: ReactJS

Module 09

Introduction to ReactJS

- What is ReactJS?
- Key Features
- Benefits of using ReactJS

Module 10

Getting Started with ReactJS

- How to use exercise files?
- Tools that we need

Module 11

Working on Basics with ReactJS

- Finishing the hello world task
- Delete and recreate everything
- Adding CSS to Hello World
- Reusable components

Module 12

Creating React Template

- Understand the existing template
- Convert the HTML template into React App
- Reusable Card and Assignment

Module 13

Understanding ReactJS States

- What are props and states?
- Preparing the state-based applications
- Complete counter application
- Assignment for Counter app

Module 14

Building a Tic Tac Toe App

- Learning basics first
- Preparing the Tic Tac Toe
- Sending icons from components
- Setup layout for Tic Tac Toe
- Finishing Tic Tac Toe and assignment

Module 15

Learning React Context API With Projects

- The problem that contextAPI solves
- Detail on Context and Provider
- Detail on Consumer in contextAPI
- Understand the working of dark and light mode
- Creating a theme Toggler with Context API
- Finishing the theme switcher app

Module 16

Building App with Context API Using Reducers and Actions

- What are we building here?
- Create brain of the application
- Use Reducer for our app
- Add an input form
- Sending a dispatch
- Display the context data and dispatch

Module 17

Local Storage and Effect Hooks

- Introducing the Effect hook
- A form to submit the data
- Looping through all the values
- Hooks and local storage in action

Course Curriculum

Module 18

Learning to Handle APIs

- Learn to read docs for API
- Let's read Axios docs
- Drill down the API
- Extracting information from API

Module 19

Designing a Shopping Cart API

- A walk of Pexels and JSON
- Add item to the cart
- Buy the item and remove the item
- Fetching photos from API
- Store everything in state
- Card for every product
- Create cart section
- Bring the shop together
- Removing the duplicate

Module 20

Firebase With GitHub App

- What are we about to build?
- React Router crash course
- Your tour to configure firebase
- Read firebase docs with me
- Creating components for the firebase app
- Bring in the react-router
- Headers and Footers
- Conditional rendering in Navbar
- Adding firebase configuration
- User Signup in firebase
- Logout and sign-in user
- User card component
- Repo component
- Home page and finish the app

Module 21

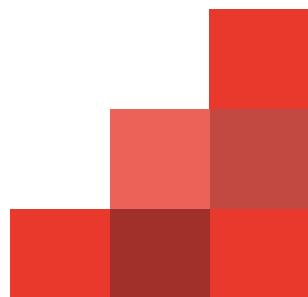
Firebase Real-Time Database

- A challenge application
- Firebase real-time database
- Setting context and actions
- Creating reducers for contact
- Header and Footer tasks
- How to upload an image in firebase storage?
- Add and update a contact in firebase
- Add or update the finder
- Update star and delete contact
- Use dispatch and FIXME
- Get all data from firebase
- Loop through firebase object
- Firebase finale and assignment

Module 22

Redux App

- 3 Principles of redux
- Bring in the central state
- Actions make redux simpler
- Reducer - brain part of the app
- Component dispatching the info
- Two most important methods for Redux
- Provider to give access to store
- Finally, creating that store



Course Curriculum

Part-III: MongoDB

Module 23

MongoDB Database

- What is MongoDB?
- How does MongoDB work?
- How to install MongoDB on MAC?
- How to install MongoDB on Windows?
- Create and Read operations in MongoDB
- ObjectId and BSON in MongoDB
- Triple-A and CRUD operations in MongoDB
- UpdateOne and DeleteOne
- UpdateMany and deleteMany
- Database issues with Update
- Getting more data
- Save bandwidth while querying in MongoDB
- Understanding objects structure

- What is schema in MongoDB?
- Database modeling MongoDB series
- Relation in database MongoDB
- One-to-one relation in mongo database with id
- One to many relations in the MongoDB database
- Many to Many relations in MongoDB
- Creating file structure and installing dependencies
- Creating our first student schema
- Connecting with MongoDB with mongoose
- A read test in MongoDB
- A delete test for MongoDB
- An update test in MongoDB



Course Curriculum

Part-IV: NodeJs

Module 24

Introduction

- What is Node.js?
- Features of Node.js
- Who Uses Node.js?
- Concepts
- Where to Use Node.js?
- Where Not to Use Node.js?

Module 25

Environment Setup

- Try it Option Online
- Local Environment Setup
- Text Editor
- The Node.js Runtime
- Download Node.js Archive
- Installation on UNIX/Linux/Mac OS X and
- SunOS
- Installation on Windows
- Verify Installation: Executing a File

Module 26

First Application

- Creating Node.js Application

Module 27

REPL Terminal

- Online REPL Terminal
- REPL Commands
- Stopping REPL

Module 28

NPM

- Installing Modules using NPM
- Global vs Local Installation
- Using package.json
- Attributes of Package.json
- Uninstalling a Module
- Updating a Module
- Search a Module
- Create a Module

Module 29

Callback Concept

- What is Callback?
- Blocking Code Example
- Non-Blocking Code Example

Module 30

Event Loop

- Event-Driven Programming
- Example
- How do Node Applications work?

Module 31

Event Emitter

- Event Emitter Class
- Methods
- Class Methods
- Events
- Example

Course Curriculum

Module 32

Buffers

- Creating Buffers
- Writing to Buffers
- Reading from Buffers
- Convert Buffer to JSON
- Concatenate Buffers
- Compare Buffers
- Copy Buffer
- Slice Buffer
- Buffer Length
- Methods Reference
- Class Methods

Module 33

Streams

- What are Streams?
- Reading from a Stream
- Writing to a Stream
- Piping the Streams
- Chaining the Streams

Module 34

File System

- Synchronous vs Asynchronous
- Open a File
- Get File Information
- Writing a File
- Reading a File
- Closing a File
- Truncate a File
- Delete a File
- Create a Directory
- Read a Directory
- Remove a Directory
- Methods Reference

Module 35

Global Objects

- __filename
- __dirname
- setTimeout(cb, ms)
- clearTimeout (t)
- setInterval(cb, ms)
- Global Objects
- Console Object
- Process Object

Module 36

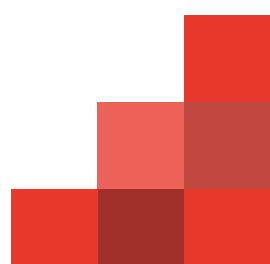
Utility Modules

- OS Module
- Path Module
- Net Module
- DNS Module
- Domain Module

Module 37

Web Module

- What is a Web Server?
- Web Application Architecture
- Creating a Web Server using Node
- Make a request to Node.js server
- Creating a Web client using Node



Course Curriculum

Part-V: ExpressJS

Module 38

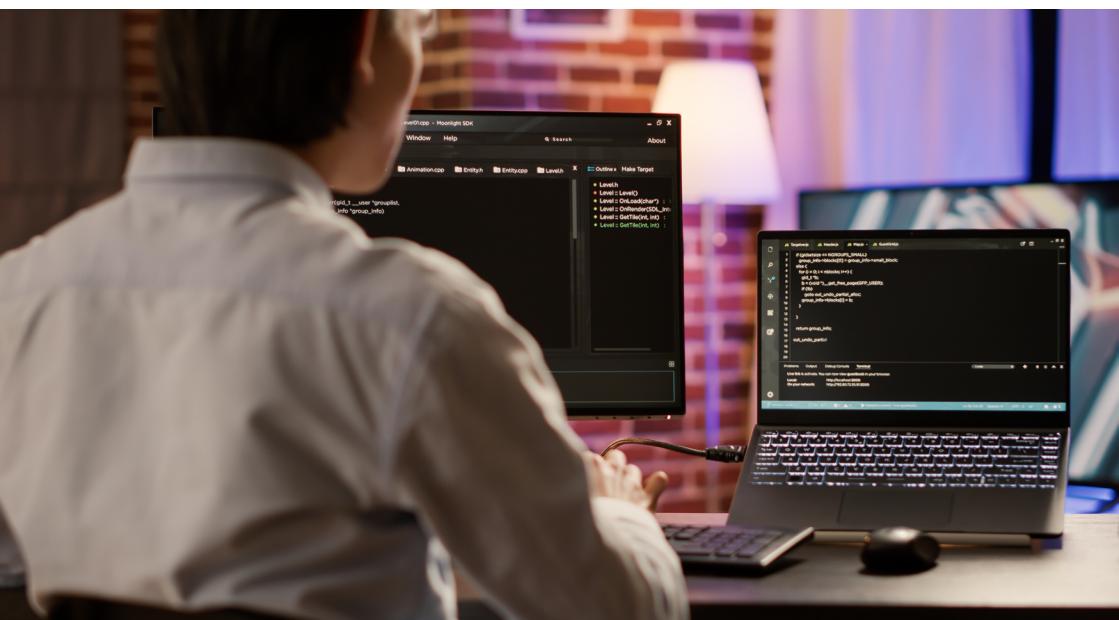
ExpressJS Framework

- Express Overview
- Installing Express
- Hello World Example
- Request & Response
- Request Object
- Response Object
- Basic Routing
- Serving Static Files
- GET Method
- POST Method
- File Upload
- Cookies Management

Module 39

RESTful API

- What is REST Architecture?
- HTTP methods
- RESTful Web Services
- Creating RESTful for a Library
- List Users
- Add Users
- Show Detail
- Delete a User



Career Assistance

Once you complete the MERN Stack Development Course, we will offer job assistance to help you prepare for the exciting career opportunities. We will evaluate your skills, prepare you for the interview, and arrange interviews with top companies.

- **Interview Preparation and Live Practice**
- **Appealing Resume Building**
- **Career Guidance**
- **Hands-on Projects to Build Portfolio**
- **Preparation for Freelancing**

Students We've Trained Work at Renowned Companies,
Startups, and Brands



Our Students Speak for Us!



**Manish
Chauhan**

"Excellent training! It is one of the best MERN stack courses in India. The approach was good right from the start till the end. My trainer was way better than I had expected and helped me clear all the important concepts. I highly recommend this to everyone who wants to learn practically!"



**Dinesh
Choudhary**

"The best thing about this online MERN stack web development course is that it has the most detailed and comprehensive content. Many topics that are ignored by others are included here. Moreover, a person with any level of skills can go for it as it starts with basic concepts and goes deeper into advanced concepts. Kudos WsCube Tech!"



**Suresh
Kumawat**

"There are several MERN stack courses in the market, but this is the best. WsCube delivers what it commits. Regular online classes, experienced trainer, doubt-clearing sessions, regular assignments and practice, and quality content. Thanks a lot!"



**Nimesh
Shah**

"I have been a huge fan of WsCube Tech for the last 2 years because of the quality of video content they share on YouTube. Recently I enrolled in the MERN stack developer course. I would say it was the best decision. I have been able to take my basic knowledge to advanced skills with the help of projects and proper guidance. Thanks!"

Industry-Recognized Certification

Get certified from India's leading IT training institute



Live Online and
Classroom Training



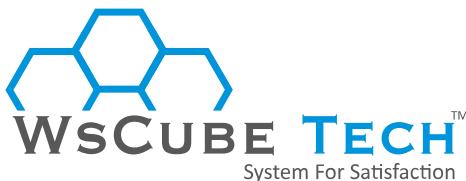
Job Assistance
for Faster Hiring



Internships
for Experience

Culture & Activities at WsCube Tech





**From Startups & SMBs to Brands & MNCs,
companies are actively looking for skilled MERN Stack
Developers at lucrative packages.**

Grab these opportunities by holding mastery of this
tech stack!

■ Course Duration: 5-6 Months

■ Fees: Call us for fee details as we offer varied discounts

Call Now to Book 2-Days of FREE Demo Classes:

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Contact Us:

-
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