



BECOME A MASTER IN MERN STACK

Building Your Digital Dreams,
One Code at a Time



MERN STACK

Course Mission

SevenMentor Institute leads the way in providing cutting-edge IT Training and Skill Development across India. We have strived to establish an ideal learning atmosphere at all our training centers. We prepare our students to become dependable future professionals. Our institute aspires to promote universal access to learning for students. To achieve our mission of promoting better learning we invite all students to enroll in our MERN STACK Course.

Join us today to make a fulfilling career in the Development sector.

MERN STACK STATISTICS:



INDUSTRY INSIGHTS

82%

Websites have some form of
MERN STACK based
Applications

33%

Year on Year Growth For All
MERN STACK Jobs

Learn MERN STACK and Be in Demand Always!

In today's rapidly evolving Tech Industry, being a skilled MERN STACK Developer is a valuable asset. There is an unprecedented requirement of all rounders and dynamic developers in the website building domain. SevenMentor's comprehensive MERN STACK Course is designed to equip you with the knowledge and practical skills to handle every aspect of MERN STACK Developer.

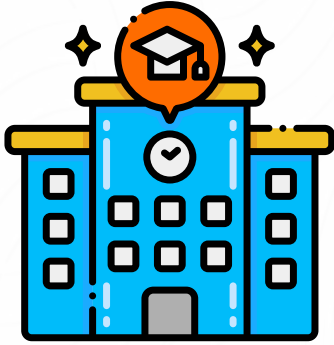
Become an Omnipresent **MERN STACK DEVELOPER !**



MERN STACK Developer is like being the architect of the digital world. It's the art of seamlessly connecting the visible, user-facing Front-End with the hidden, behind-the-scenes back-end of web sites and applications. A MERN STACK Developer possesses a unique set of skills, combining the creative flair of a front-end developer with the problem-solving prowess of a back-end developer. Whether you dream of working with innovative startups, established tech giants, or even launching your own projects, the possibilities are endless.

Start Learning to Start Applying:

Gain practical MERN STACK experiences through well designed courses, latest tools and excellent teachers.



Experienced Faculty



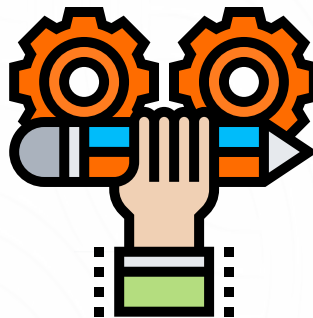
Flexible Scheduling



Hands-On Learning



Mock Interview Sessions



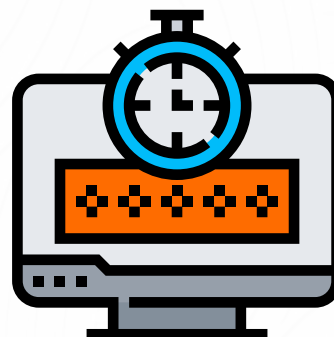
Real-World Projects



Career Support



Comprehensive Curriculum



Lifetime Access

MongoDB

MongoDB is an agile and scalable NOSQL Database. The name Mongo DB comes from "humongous". It is based on the NoSQL document store model, meaning that data is stored in the database as a form of JSON objects rather than the traditional columns and rows of a relational database. Following are some reasons that MongoDB really fits in the Node.js stack well:

- I. High performance: MongoDB is one of the highest performing databases available. Especially today when more and more people interact with websites, it is important to have a backend that can support heavy traffic.
- II. High Availability: MongoDB's replication model makes it easy to maintain scalability while keeping high performance.
- III. High Scalability: MongoDB's structure makes it easy to scale horizontally by sharing the data across multiple servers.
- IV. NO SQL Injection: MongoDB is susceptible to SQL injection because objects are stored as objects, not using SQL strings.

- Overview
- Advantages
- Environment
- Data Modeling
- Create Database
- Drop Database
- Create Collection
- Drop Collection

- Data Types
- Insert Document
- Query Document
- Update Document
- Delete Document

Express JS

The Express Module acts as the webserver in the Node.js-to-Angular stack. The fact that it is running in Node.js makes it easy to configure, implement, and control. The Express module is an extension of Node.js for handling several web requests. This allows you to implement a running web server in Node.js with only a few lines of code. Features of Express are:

- I. Route management: Express makes it easy to define routes that tie directly to Node.js script functionality on the server.
- II. Error Handling: Express provides built-in error handling for documents not found and other errors.
- III. Easy integration: An Express server can easily be implemented behind an existing reverse proxy system such as Nginx or Varnish. This allows it to be easily integrated into your existing secured system.
- IV. Cookies: Express provides easy cookie management.
- V. Session and cache management: Express also enables session management and cache management.

- Overview
- Environment
- Hello World
- Routing
- HTTP Methods
- URL Building
- Middleware

- Templating
- Static Files
- Form Data
- Database
- Project:
- CRUD operation with MEAN from scratch.

React JS

Getting Started with React Course

- Intro to ReactJS
- Environment Setup and folder structure
- JSX
- Components
- State
- Props Overview
- Props Validation
- Component API

- Component Life Cycle
- Forms
- Events
- Refs
- Keys
- Router
- Animations
- Higher-order Components
- What is Virtual DOM
- A basic setup of Bootstrap for Styling

Virtual DOM Introduction

- Module Introduction
- Using types Classes Interface
- Generics Wrap up & Modules
- Deep dive into Virtual DOMs

The Basics of React

- Module Introduction
- How a React App gets loaded and started
- Components Creating new Component
- Analysis of the functionality of AppModule & Component Declaration
- Templates Understanding Component Styles Understanding Component Selector

Observables in React

- Module Introduction
- Understanding built-in React Observable
- Creating Observables Using a Custom observable
- Understanding Observable Operators

Making HTTP Requests in React

- Introduction & how HTTP request
- Works in SPAs Sending POST Request
- Adjusting request headers Sending GET requests

Authentication & Route Protection in React Apps

- Module Introduction How Authentication works in SPAs
- Introduction to JWT
- Firebase SDK Signing users up
- Signing users in Token

Databinding & DOM Concepts

- Creating a basic custom attribute DOM
- Exploring Renderer to create a DOM
- Understanding HostListener and HostBinding Binding to DOM
- Properties Building Structural DOMs Exploring ngSwitch

Understanding Services & Implementing Dependency Injection

- Module Introduction
- Why Services are required
- Understanding Dependency Hierarchical Injector
- Injecting a Service into other services

Forms in React

- Module Introduction
- Need to React's help Template Driven vs Reactive Approach

Template Driven Approach

- TD: Submitting and Using the form
- TD: Understanding Form's State
- TD: Accessing Form using @ViewChild
- TD: Adding Validation to user input
- TD: Understanding Form State
- TD: Outputting Validation Error Messages
- TD: Using ngModel and two-way binding
- TD: Grouping Form Controls
- TD: Using Form Data

A. Node.js is a development framework based on Google's V8 JavaScript engine. Node.js code is written in JavaScript and then compiled into machine code by V8 to be executed. Nice thing about Node.js is that it is all just JavaScript, so you can easily take functionality from a client-side script and place it in a server-side script. Following are the reasons why Node.js is a great framework to start from:

- I. JavaScript end-to-end: One of the biggest advantages to Node.js is that it allows to write both server-side and client-side scripts in JavaScript.
- II. Event-driven scalability: Node.js applies a different logic to handling web requests. Rather than having multiple threads waiting to process web requests, they are processed on the same thread using a basic event model.
- III. Extensibility: Node.js has a great following and an active development community.
- IV. Time: Node.js is super easy to set up and develop in. In only a few minutes, you can install Node.js and have a working web server.

- Introduction
- Environment Setup
- First Application
- REPL Terminal
- Package Manager (NPM)
- Call backs Concept
- Event Loop
- Event Emitter
- Buffers

- Streams
- File System
- Global Objects
- Utility Modules
- Web Module
- Express Framework

Your Success Is Our Priority:

Every student at **SevenMentor** gets personalized guidance, Mentorship, and ample opportunities to address individual questions and concerns. All our sessions are designed to be engaging, interactive, and tailored to your learning pace, ensuring you grasp each concept with clarity.



Dharmaraj Pawale

Sr. Technical Trainer
(SevenMentor & Training Pvt. Ltd.)

Dharmaraj has expertise in retail as well as corporate training in Java Full Stack, MEAN Stack, MERN Stack, Hadoop-Big Data, Spark. He has extensive 19+ years experience in both Software Training and Development. He has trained more than 10000+ students and corporate professionals in India as well as overseas. He is also Salesforce Certified Administrator. His area of expertise lies in both Frontend as well as Backend Technologies. Frontend technologies include HTML5, CSS3, Bootstrap, JavaScript, React & Redux, Angular and Backend Technologies include Java, Servlet & JSP, RESTful Web Service, Hibernate JPA, Spring, Spring Boot, MicroService, Node JS, Express JS, RDBMS Databases such as MySQL, Oracle SQL, PL/SQL, NoSQL Databases such as MongoDB.



Pranay Patil

Java full stack & Web Development trainer
(SevenMentor & Training Pvt. Ltd.)

Proficient in both front-end and back-end development, specializing in Java technologies. Proficient in conveying intricate technical concepts in an understandable and relatable manner. Equips students with a comprehensive skill set, covering not only Java but also HTML, CSS, JavaScript, and adept database management and web-based applications. Adept in instructing and helping students learn by providing academic assistance in a variety of learning situations.



Sarika Kore

Web Full Stack & Web Development Trainer
(SevenMentor & Training Pvt. Ltd.)

She has total 15 years of experience. She is currently working as a Technical Trainer. She did MCA and she has trained more than 3000 students for various courses. She has also worked in Net Protector Anti Virus Company for 2 years.



Sonal Vanarse

(Web Full Stack Trainer)

Professional Software developer trainer with over 9 years of industry experience in Full stack technologies (MERN, MEAN, UI/UX). Have strong zeal of staying up to date with the latest technology trends across the industries. Her unique teaching pedagogy helps the student to learn the best practices being followed in software industries. Trained more than 3000 students and contributed into their career success.

THINGS THAT SET US APART FROM THE REST:

SevenMentor prepares you well so that you can embark on a rewarding career in MERN STACK DEVELOPER through our training.



Hands-On Projects: Gain practical experience by working on real-world projects, building a robust portfolio that will impress potential employers.



Flexibility: Our flexible schedule options allow you to learn at your own pace, making it perfect for both beginners and experienced developers looking to upskill.

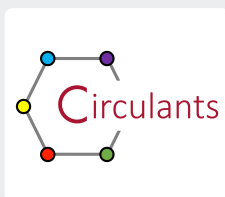
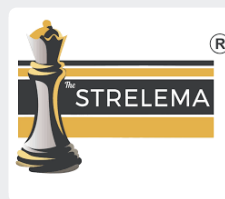


Career Support: We're dedicated to your success! Benefit from career guidance, resume building, interview prep, and job placement



Community: Join a vibrant community of like-minded learners, where you can collaborate, share ideas, and network with peers.

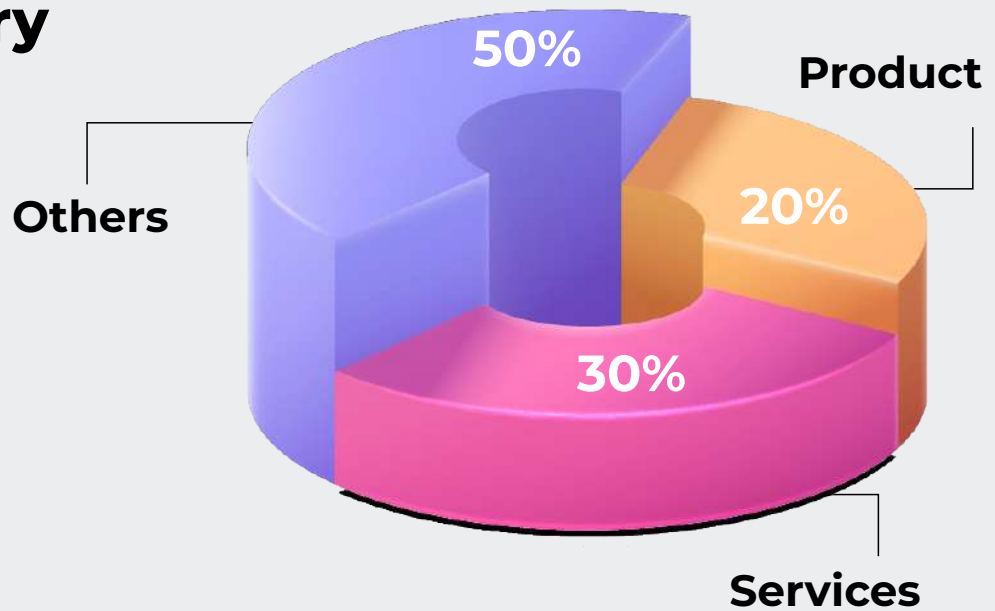
Our Students are at reputed Tech Companies



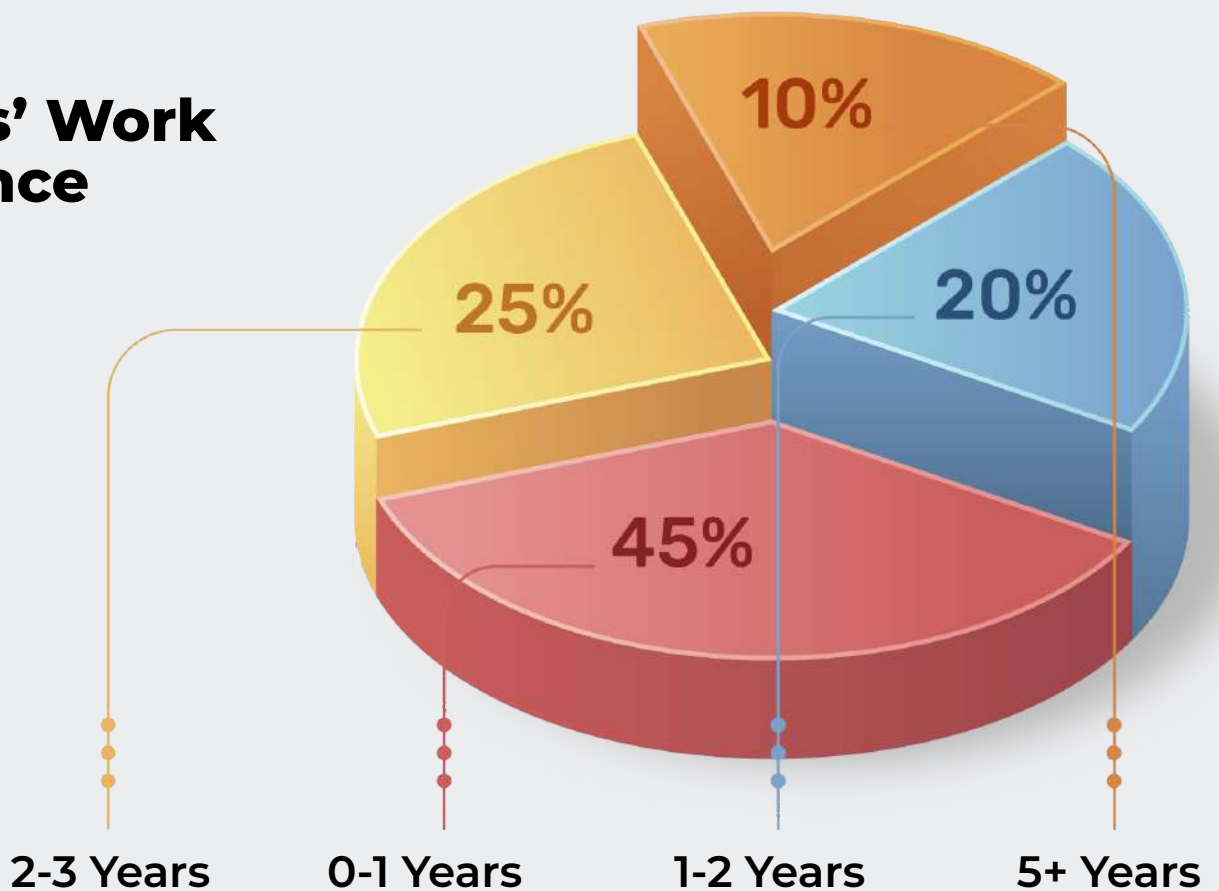
Success is around the corner!

Consider the potential earnings and opportunities that a career in MERN STACK DEVELOPER can offer. With Web Development you'll be well-positioned to secure a job that provides you with a stable and potentially prosperous future.

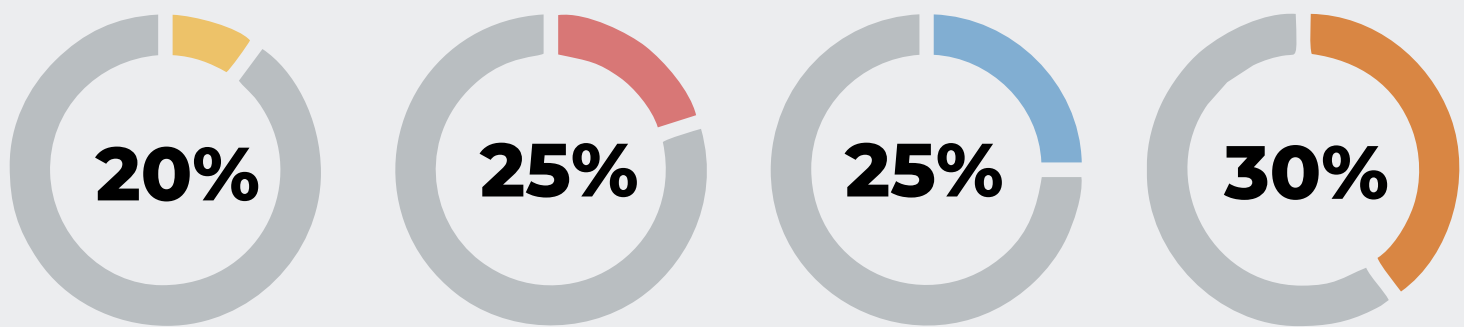
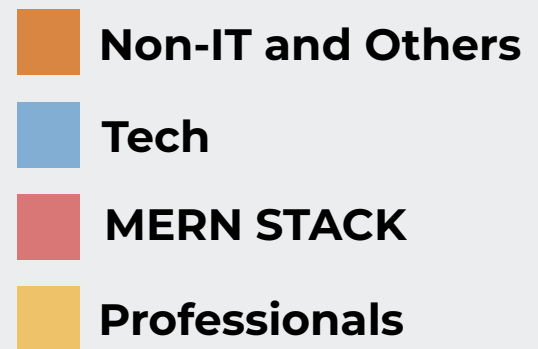
Learners' Industry Background



Learners' Work Experience



Learners' Expertise



Begin Your Journey Towards Better Future:

The global MERN STACK Development vacancies will grow by 56% and generate 4 million new jobs by 2030.

So get ready to dive headfirst into the dynamic world of MERN STACK Development by gaining all round experience at SevenMentor Institute

Affordable Training without Compromise:

We understand that pursuing your dreams in MERN STACK shouldn't be a financial burden. That's why we've made affordability a cornerstone of our MERN STACK Course. We believe that quality education should be accessible to everyone, and we've structured our program to reflect this commitment. Our MERN STACK Course takes you on an exciting journey but at a substantially low price.

How to become a great MERN STACK ?

- Enroll at **SevenMentor Institute**
- Get hands-on training from **experienced teachers**
- Receive Industry-recognized **MERN STACK Certification**
- Work for leading **MNCs** through our **on-campus interviews**

Success is Just a Call Away!

So if you are ready to code your way to success? Enroll now at SevenMentor and unlock your potential as a MERN STACK DEVELOPER. Our counsellors are a call away and they will be more than happy to talk with you. Anyday, Everyday, we are there for you!

Request For Call Back



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