

MERN Stack

Description:

Why Learn MERN Stack?

- **The MERN Stack Powerhouse:** Learn MongoDB, Express.js, React, and Node.js—technologies used by top tech giants.
- **Powerful Community:** Join a fast-growing developer community for support, networking, and growth.
- **Be in Demand:** Full-stack developers are among the most sought-after professionals in the IT industry.

What Placement Assistance Will You Receive?

- Free Placement Preparation Training
- Resume Building Support
- Mock Interviews and Career Counseling
- Curated Internships & Job Opportunities
- Interview Referrals with Hiring Partners

MERN Stack Course Overview

Take the Full Stack Certification Course from FirstVITE to become an expert in MERN Stack!

This course is designed to help beginners and professionals gain complete knowledge of frontend to back-end development using the MERN (MongoDB, Express.js, React, Node.js) technologies. Learn by doing with real-time projects and become industry-ready.

Key Features

- 100% Practical & Project-Based Learning
- 60+ Hours of Live Training
- 1-on-1 Mentorship and Doubt Sessions
- Real-World Projects and Assignments
- Certification on Completion
- Placement Assistance Support

All Modules

Module 1: Introduction to Web Development & JavaScript

Get a foundational understanding of web development, HTML/CSS, and dive deep into JavaScript—the base for all MERN technologies.

Topics Covered:

- HTML5 & CSS3 Basics
- JavaScript Fundamentals
- DOM Manipulation
- ES6+ Features

Module 2: Node.js Fundamentals

Learn the backend foundation with Node.js, build server-side logic, and handle file systems.

Topics Covered:

- Introduction to Node.js
- NPM & Package Management
- Modules & File System
- Event Loop & Asynchronous Programming

Module 3: Express.js Framework

Build robust backend APIs using Express.js and integrate middleware for enhanced performance.

Topics Covered:

- RESTful APIs
- Routing & Middleware
- Error Handling
- Connecting Express with MongoDB

Module 4: MongoDB & Mongoose

Work with NoSQL databases, learn data modeling, and interact with MongoDB using Mongoose.

Topics Covered:

- Introduction to MongoDB
- CRUD Operations
- Data Models & Schemas
- Connecting MongoDB to Node

Module 5: React.js Development

Master React for building dynamic user interfaces and SPAs.

Topics Covered:

- JSX & React Components
- Props & State
- React Router
- Lifecycle Methods & Hooks
- Forms & Event Handling

Module 6: MERN Integration & Full-Stack Architecture

Connect frontend and back-end components, handle authentication, and create full-stack applications.

Topics Covered:

- Connecting React with Express & Node
- REST APIs Integration
- JWT Authentication
- MVC Architecture

Module 7: The final capstone project and deployment

Build and deploy a real-world MERN stack application from scratch.

Topics Covered:

- Project Planning & Structure
- Building UI, APIs, and Database
- Deployment on Cloud (Vercel/Render/Heroku)
- GitHub & Version Control

Get Certified. Get Hired. Get Ahead.

Join the **FirstVITE MERN Stack Certification Course** and build a future-ready tech career today.

Instructor:

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Duration:

7

Level:

Beginner

What You'll Learn:

- Build full-stack web applications using MongoDB, Express.js, React, and Node.js
- Develop dynamic front-end interfaces with React and manage state effectively
- Design and manage back-end APIs using Node.js and Express
- Store and retrieve data using MongoDB with Mongoose
- Implement user authentication and secure applications using JWT
- Deploy full-stack applications to cloud platforms like Vercel, Render, or Heroku
- Use Git and GitHub for version control and collaboration
- Work on real-time projects and a final capstone project to showcase skills

Prerequisites:

- Basic understanding of computers and how web pages work
- Familiarity with HTML, CSS, and JavaScript is an added advantage
- A laptop or desktop with a stable internet connection
- Willingness to learn and practice consistently

Created At:

15/7/2025