★ AI-INTEGRATED COURSE

NXT CERTIFIED MERN STACK DEVELOPER

Become a skilled MERN Stack Developer in just 3 months!

Duration: 3 Month | **Certificate** · Advanced | **Eligibility:** Basic understanding of JavaScript and web development is rec

OVERVIEW OF THE COURSE

The NxT Certified MERN Stack Developer course is designed to equip you with the essential skills and knowledge required to excel in full-stack development using the MERN stack (MongoDB, Express.js, React.js, Node.js). This 3-month intensive program combines theoretical learning with practical applications, allowing you to develo...

- Hands-on experience with real-world projects
- Learn to build scalable web applications
- Understand RESTful APIs and database management
- Collaborative projects to enhance teamwork skills
- Expert instructors guiding your learning journey



3 Month	8	4	14
DURATION	SUBJECTS	PROJECTS	TOOLS

JOIN NOW →

WhatsApp us

WE ARE AVAILABLE AT
600+ LOCATIONS

NOT SURE WHICH COURSE IS RIGHT FOR YOU?
Choose the Best Course for You - Try our AI-Powered Career Counselling for FREE

Start free →

YOUR NEAREST ISDM NxT CENTRE
V tech Academy
VTECH ACADEMY, FATHIMA TOWER, NARIKKALMUKKU, KALLAMBALAM ROAD, PALACHIRA P.O, VARKALA, TRIVANDRM DISTRICT, KERALA , 695143, Thiruvananthapuram, Kerala - 695143
Call / WhatsApp: **9567444361** · info@vtechbs.com

Scan to enquire

COURSE CURRICULUM

What you will learn

01 Subjects → | 02 Projects → | 03 Tools → | 04 AI Integration

01 Subjects & modules

6 subjects with the topics you will learn

01 Introduction to Web Development

- HTML5 Semantic Elements, Forms, And Media
- CSS3 Flexbox, Grid, And Animations
- Web Development Environment Setup
- JavaScript Data Types, Loops, And Functions
- HTTP, HTTPS, And SSL/TLS Security
- Web Browsers And Developer Tools

02 Frontend Development (React.js)

- React Environment Setup
- React Fundamentals And JSX
- Components, Props, And State
- Event Handling And Forms
- Component Lifecycle And Effects
- Dynamic And Nested Routing

03 Backend Development (Node.js & Express.js)

- Node.js Setup And Project Structure
- Event Loop And Asynchronous Programming
- NPM Package And Dependency Management
- Express Server Setup And Routing
- Middleware And Static File Serving
- RESTful APIs And CRUD Operations
- Request Validation And Error Handling

04 Database & Full Stack Integration

- MongoDB and Mongoose Fundamentals
- Local and Atlas Database Setup
- Mongoose Models, Schemas, and CRUD
- Schema Validation and Advanced Features
- Express REST API Integration
- Frontend API Calls With Fetch and Axios
- React API State, Loading, and Errors

05 Advanced MERN & Real-World Concepts

- Promises And Asynchronous Programming
- Async/Await And Error Handling
- WebSockets For Real-Time Communication
- Jest Testing For Node And React
- API Testing With Postman
- JavaScript And MERN Performance Optimization
- Building And Deploying A WebSocket Chat

06 Deployment, CICD, and Final Project

- Backend Deployment on Heroku And Render
- React Frontend Hosting on Netlify And Vercel
- GitHub Actions Deployment Automation
- CI/CD Pipelines, Testing, And Debugging
- MERN E-Commerce Capstone Project
- Payment Gateway Integration

02 Projects & assignments

Hands-on work for your portfolio

P1 Create a personal portfolio website using MERN.

P2 Develop a task management application with user authentication.

P3 Build a blogging platform that supports CRUD operations.

P4 Collaborate on a group project to create a social media application.

03 Tools & software you will master

6 industry tools

MongoDB | Express.js | React.js | Node.js | Git | GitHub

04 AI Integration

How AI is used inside the work of this course

AI SUBJECT

AI Fundamentals & Prompt Engineering

- **AI Basics and Everyday Uses**
- **Generative AI: How It Works**
- **Prompt Engineering Foundations**
- **AI for Study and Workplace Tasks**
- **Fact-Checking and Reliable Research**
- **Privacy, Safety and Responsible Use**
- **Integrated Practice and Review**

AI SUBJECT

AI for Programming & Web Development

- **AI Pair Programming Setup: VS Code and GitHub Copilot**
  GitHub Copilot in VS Code: Sign in, use inline suggestions and Chat, then try agent mode o
- **AI-Assisted Front-End Development**
  GitHub Copilot in VS Code: Use inline suggestions and Chat while building and refining a r
- **Python Coding and AI Agents in the Editor and Terminal**
  Claude Code in Terminal and project files: Install or access it using the current official
- **GitHub Team Workflow and AI Code Review**
  GitHub Copilot code review in GitHub pull requests: Request a review on a practice pull re
- **Calling AI APIs from Your Own App**
  OpenAI API in A local app or server-side project: Create an API key with available account
- **AI-Assisted Testing, Debugging and Documentation**
  GitHub Copilot Chat in VS Code: Use project context to suggest tests or explain a failure,
- **AI-Assisted Deployment and Final Project**
  GitHub Copilot in VS Code: Ask for help preparing or explaining deployment files, then rev

AI TOOLS YOU WILL USE

CH ChatGPT | Google Gemini | GitHub Copilot | VS Code | Claude | MC Microsoft Copilot | Perplexity | NotebookLM

CAREER OPPORTUNITIES

Where this course can take you

Full Stack Developer
Fresher salary: ₹3.0–5.0 LPA*

Web Application Developer
Fresher salary: ₹2.5–4.5 LPA*

Software Engineer
Fresher salary: ₹3.0–5.5 LPA*

MERN Stack Developer
Fresher salary: ₹3.5–6.0 LPA*

Frontend Developer
Fresher salary: ₹2.8–4.0 LPA*

Freelancing & own business

- Build websites for local businesses
- Create web applications for startups
- Offer maintenance services for web apps
- Develop custom solutions for clients

Industries that hire

- IT Services
- E-commerce
- Startups
- Financial Technology
- Education Technology

Grow further

- Advanced courses in React or Node.js
- Specialization in UI/UX Design
- Courses on DevOps and Cloud Computing

Certification

Upon successful completion, you will receive the ISDM NxT Certification, showcasing your skills in MERN Stack Development.

Practical AI-integrated project | **Final online test** | **Verifiable certificate**

JOB SUPPORT

How we help you get a job

1
Resume building workshops

2
Mock interviews to prepare you

3
Job offers shared directly with you

4
Application support for job openings

* Typical fresher salary ranges in India; the actual salary depends on the employer, the city and your skills.

WHY START NOW

Your future is built by the skills you learn today.

Companies hire people who can do the work. People who use AI well at work are in demand - this course teaches you the job skills and the AI tools together. Every month you practise adds a project to your portfolio - the best time to start is now.

18+	600+	2,708+	390+
Years of training experience	Centres across India	Job offers to our students	Hiring companies

UNIQUE FEATURES AT ISDM NxT

- ✓ Free pre-counselling to choose the right course
- ✓ Study material, attendance, assignments, exams and results online from day one
- ✓ 24x7 AI trainer (ChatNxT) for your doubts
- ✓ Experienced, rated trainers and daily class feedback
- ✓ Practical lab sessions and live projects
- ✓ Monthly online mentorship sessions
- ✓ Resume, mock interviews and job offers in your student dashboard
- ✓ Freelancing and start-up guidance

● LIVE PLACEMENT DATA

Latest job offers to ISDM NxT students

Updated 20 Nov 2026



Gaurav M.
India
Java Software Development Engineer
Health Catalyst



Geeta K.
New Delhi
tellecaller for digital marketing
balajimarketingexperts



Anand S.
Muvattupuzha
Hiring Junior Account Executive J...
CorpZop



Adarsh S.
Ghugus
TGT Computer Science
Adani Foundation



Priyanka Y.
Mumbai
Data Entry Operator (Full-time) -...
CorpZop



Rajan S.
Ahilyanagar
Computer Trainer
Enlearning skill development Ltd

Job offers shared with our students through the ISDM NxT job network. See all at isdmnext.in/latest-placement

LIMITED SEATS · VALID TILL 30 NOV 2026

FREE Ambassador Affiliate Programme

Complete your admission within **10 days** and join the ISDM NxT Ambassador Affiliate Programme free of cost: refer friends, earn referral rewards as per the programme and get featured on the ambassador leaderboard.

CLAIM NOW

TAKE THE FIRST STEP

Book your FREE counselling session today

Meet our counsellor, see the lab, get your doubts answered and know the current fees and offers for your centre.

YOUR ISDM NxT CENTRE

V tech Academy

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Choose the Best Course for You

Try our AI-Powered Career Counselling for FREE - answer a few questions and get the courses that fit your interests, skills and career goal.

Try it FREE → isdmnext.in/course-for-you

01 Counselling
Free guidance to pick the right course

02 Training
Practical classes, labs and projects

03 Mentoring
Experts, AI trainer and feedback

04 Placement support
Resume, interviews and job offers

What you get with this course

- Comprehensive study material
- Practical lab sessions
- Live projects to enhance learning
- 24x7 AI trainer support
- AI career counselling tailored for you
- Interview preparation assistance
- Access to job offers on student dashboard
- Certificate upon course completion

ISDM NxT Head Office: 309, Saffron Plaza, Airport Road, Vadodara, Gujarat, 390022 · +916263625594 · inquiry@gmail.com

Fees depend on the centre and current offers - ask your counsellor. Course content may be updated to stay current with industry needs. · isdmnext.in