ISDM Independent Skill Development Mission NXT

EMPOWERING FUTURES,
SHAPING TOMORROW

★ 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
**Hi-Tech Institute of Computer**
Near Old Shiv Mandir, Bahalgarh-131021, Sonepat, Haryana, Sonipat, Haryana - 131021
Call / WhatsApp: **8529068806** · dinesh.in.7@gmail.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

## Hi-Tech Institute of Computer

Near Old Shiv Mandir, Bahalgarh-131021, Sonepat, Haryana, Sonipat, Haryana - 131021

**Call: 8529068806**

Email: dinesh.in.7@gmail.com

ENQUIRE NOW | WhatsApp | Call 8529068806

Scan for course details & enquiry

NOT SURE WHICH COURSE IS RIGHT FOR YOU?

## 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