



Adyapan

School

MERN (Full Stack)



Duration - 2 months

**Industry
Certification**



Skill India Certified

**250+
Partner Companies**

Architect. Build. Deploy with MERN

From Blueprint to Browser - Dominate Web Execution.

This immersive 8-week MERN Stack program takes you beyond syntax into real-world software execution. Move past basic tutorials and dive into full-stack architecture, building scalable applications with MongoDB, Express, React, and Node.js. Learn to engineer robust backends, architect global state with Redux, and master the art of secure API integration through high-stakes projects and live deployments.

8

MODULES

30+

PROGRAM OFFERINGS

20,000+

STUDENTS

250+ PARTNERED COMPANIES



ABOUT ADYAPAN SCHOOLS

Where education meets real-world impact

Not just a course — a platform to launch
your career.

Adyapan Schools was built with a single conviction:
learning works best when it happens in the real world.
We partner with top companies, mentors, and industry
platforms to ensure every student graduates with a
portfolio of work that speaks louder than a certificate.

Our programs combine rigorous coursework with live
client projects, giving you the skills and proof-of-work
that employers actually want.

MISSION

To equip ambitious learners with
practitioner-level digital
marketing skills through mentor-
led, project-based education that
bridges the gap between learning
and earning.



VISION

To be India's most trusted
launchpad for the next generation
of marketing leaders — defined
not by degrees but by the real
work.



Everything you need to grow fast

PROGRAM HIGHLIGHTS

Live Industry Projects

Work on campaigns for real brands alongside your coursework. Build portfolio projects that prove your expertise to employers.

1-on-1 Mentorship

Dedicated mentors from Google, Microsoft, Mastercard and more. Get personalized guidance and industry connections.



AI-Powered Marketing

Learn cutting-edge AI tools alongside evergreen fundamentals. Stay ahead of the curve in a rapidly evolving landscape.



Dual Certification

Earn both a Course Completion and Internship Certificate – accredited by Skill India Digital Hub and NSDC.



Internship Guarantee

Graduate with an internship completion certificate from a live brand project. Concrete, resume-ready proof of work.



Industry Network

Join a network of alumni at Amazon, Google, Adobe, Microsoft. Access exclusive hiring events and referral opportunities.

8 weeks. 8 modules. Infinite impact.

WEEK 1

Web Development Fundamentals

- Discussion of Curriculum
- Introduction to web development
- HTML5 & Semantic Web: Understanding structure, forms, and accessibility.
- CSS3 & Responsive Design: Mastering Flexbox, Grid, and media queries.
- Version Control: Introduction to Git and GitHub for collaborative development.
- Web Architecture: Understanding how the internet works (DNS, HTTP/HTTPS, and Browsers).



WEEK 2

JavaScript & ES6

- Modern JS Syntax: Arrow functions, destructuring, spread/rest operators, and template literals.
- Asynchronous JavaScript: Promises, Async/Await, and Fetch API.
- DOM Manipulation: Interacting with the browser and handling events.
- Array Methods: Mastering map(), filter(), reduce(), and find().



WEEK 3

React Basics

- Component Architecture: Creating functional components and understanding JSX.
- Props & State: Passing data between components and using the useState hook.
- Lifecycle & Effects: Fetching data and handling side effects with useEffect.
- React Router: Implementing client-side navigation and dynamic routing.



8 weeks. 8 modules. Infinite impact.

WEEK 4

Advanced React

- Global State Management: Implementing Redux and Redux Toolkit for complex applications.
- Hooks Deep Dive: Utilizing useContext, useRef, and useMemo for optimization.
- Secure Navigation: Building protected routes and login-dependent UI elements.
- Interactive Features: Developing post and comment systems with real-time updates.



WEEK 5

Node.js Backend Development

- Environment Setup: Setting up a Node environment and using NPM/Yarn.
- Core Modules: Working with the File System, Path, and HTTP modules.
- Asynchronous Patterns: Handling non-blocking code in a server-side environment.
- API Fundamentals: Understanding Request/Response cycles and Status Codes.



WEEK 6

Express.js Framework

- RESTful API Design: Building and structuring scalable APIs with Express.
- Middleware: Implementing custom middleware for logging and security.
- Authentication: Using JSON Web Tokens (JWT) for secure user sessions.
- Third-Party Integration: Connecting external APIs (like GitHub) for extended functionality.



8 weeks. 8 modules. Infinite impact.

WEEK 7

MongoDB Database Integration

- NoSQL Basics: Schema design and data modeling with MongoDB.
- Mongoose ODM: Connecting Express to MongoDB and performing CRUD operations.
- User Profiles: Creating and managing complex user data and dynamic profiles.
- Data Validation: Implementing backend validation to ensure data integrity.



WEEK 8

Full Stack Project

- Full-Stack Integration: Connecting the React frontend with the Node/Express/MongoDB backend.
- Debugging & Polish: Refining frontend code and optimizing performance for production.
- Environment Variables: Securing API keys and database strings using .env files.
- Deployment: Launching the final MERN application to platforms like Heroku or Vercel.



WHO THIS IS FOR

This course is perfect for

Students & Career Switchers

Aspiring Software Developers

Non-Tech Learners Entering IT

Tech Entrepreneurs &
Freelancers

Graphic and UI/UX Designers

Product Managers

CERTIFICATIONS



ALUMNI NETWORK

Our alumni work at world-class companies

Amazon

Adobe

Google

Autodesk

Microsoft

Deloitte

Your career switch is one click away.

Ready to begin? Apply at adyapanschool.com or email us at support@adyapan.com

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