

Become an industry-ready **Full Stack Developer** from the ground up.

Learn to engineer production-ready web applications from the ground up using the MERN stack, modern TypeScript workflows, and scalable system design practices used in the industry.

★ 4.8 Rating

👤 1:1 Mentorship

🎧 24/7 AI Support

💬 Dedicated doubt clearing sessions

📅 28 Sessions





The Journey

The Complete MERN Lifecycle

We don't just teach syntax. We take you from web architecture fundamentals to deploying production-grade, full-stack applications — with real system design intuition built in.



Industry-Ready Full Stack

Master everything from HTML basics to advanced cloud deployment. Build scalable React frontends and robust REST APIs with real system design and security knowledge.



Deep JavaScript

Master closures, async patterns, the event loop, and the DOM. Go far beyond the basics.



React Ecosystem

Build production UIs with React, TypeScript, Redux, and modern performance optimization patterns.



Backend & Database

Build robust REST APIs with Express and master MongoDB schemas, aggregation, and indexing at scale.



Deploy & Scale

Learn CAP theorem, load balancing, security, and deploy with AWS, Vercel, Render, and Docker.



Skills You Will Learn



Web Architecture & Request Lifecycle



Responsive Layout Design



JavaScript Engine & Async Patterns



TypeScript & Type Safety



React State & Performance



REST API Design, Contracts and Validation



MongoDB Aggregation & Indexing



Security (XSS, CORS, CSRF)



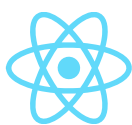
Deployment & DevOps Basics



ARIA, Web accessibility & Best Practices

Tech Stack You Will Learn

Focusing strictly on tools that have proven their practical utility beyond the 6-month hype cycle.



React



Node.js



MongoDB



Express.js



TypeScript



Tailwind CSS



Redux



Docker



Performance Testing & Optimization

Curriculum Breakdown

28 focused sessions structured in a cohesive, theme-driven model designed to transform you into an industry-ready engineer.

1

Sessions 1-7

Web Foundations

- **Web Architecture & HTML:** Client-server flow, semantic forms, accessibility.
- **Modern CSS & Layouts:** Flexbox, Grid, positioning, responsive media queries.
- **UI Frameworks:** Tailwind CSS, Bootstrap, and custom animations.

2

Sessions 8-17

JavaScript & TypeScript

- **Deep JS Engine:** Execution context, memory model, closures, hoisting.
- **Async Patterns:** Event loop, Promises, Async/Await, and Fetch API.
- **TypeScript:** Interfaces, generics, type inference, and scalable API typing.

3

Sessions 18-22

React Ecosystem

- **React Core:** Vite, components, state management (useState, useEffect).
- **Advanced Hooks & State:** Redux, Context API, performance tuning (useMemo).
- **Scalable UI:** React Router, code splitting, lazy loading, and shell architectures.

4

Sessions 23-28

Backend & Scale

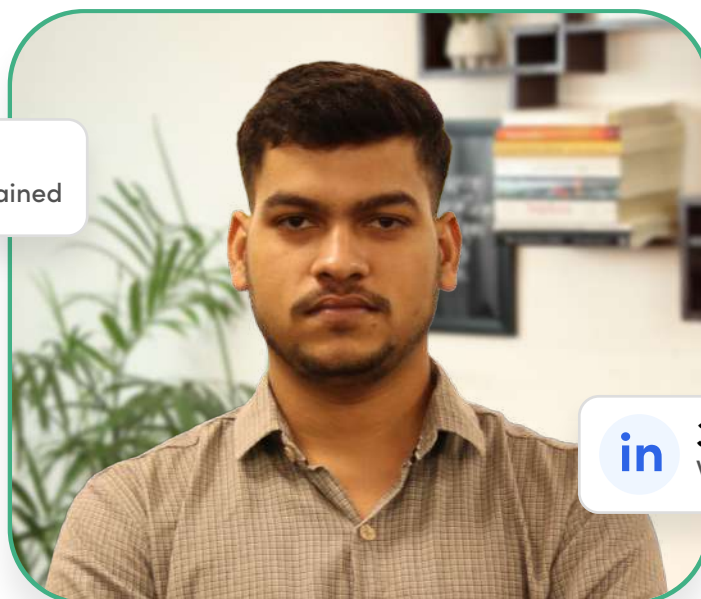
- **Node.js & Express:** MVC patterns, REST API design, Joi/Zod validation.
- **MongoDB:** Complex aggregation pipelines, schemas, relationships, indexing.
- **System Design & Deploy:** CAP theorem, security, Docker, Vercel/Render deployments.

Your Mentor

Learn from an Industry Expert



12,000+
Students Trained



3x Top Voice
Web Development

Vikas Thakur

Software Engineer & Mentor

Full Stack Engineer: 4+ years of industry experience specializing in Full Stack Development, building scalable, high-performance web applications using robust backend architectures and modern frontend frameworks.

AI & Emerging Tech: Experience working with emerging AI technologies, conducting sessions on Generative AI, RAG systems, AI tools, and practical AI integration in modern applications.

Mentorship & Training: Trained 12,000+ students through 26+ batches and 430+ seminars, emphasizing hands-on learning to help students build strong technical foundations. Many of his students have secured positions at leading organizations such as Tata 1mg, Salesforce, Wipro, and Celebal Technologies.

Industry Leadership: Serves as a Google Cloud Jury Member and has judged 38+ national and college hackathons, evaluating innovative projects and mentoring aspiring developers across web, cloud, and software engineering domains.



Projects Throughout the Course

Stop doing toy problems. Build the applications companies are hiring for today.



Travel Website UI

Design a fully responsive, multi-section travel landing page using Bootstrap, Tailwind, and custom CSS animations.



Async Data Dashboard

Build a real-time data dashboard using Fetch API, Promise chaining, debounced search, and DOM event delegation.



E-Commerce React App

Build a fully typed React e-commerce frontend with Redux cart management, React Router navigation, and lazy loading.



RESTful API with Auth

Build a complete Express API with JWT authentication, Joi validation, pagination, file uploads, and email integration.



MongoDB Analytics Engine

Design a MongoDB pipeline featuring complex aggregation queries, schema relationships, indexing, and performance tuning.



Capstone: Full-Stack App

Build and deploy a production-grade app — Food Delivery, LMS, or Full Auth System — tested with Jest and live on the web.



Unmatched

Support System

We ensure you never get stuck. Our ecosystem is designed to support you from day one to deployment.



Recorded Video Content

Get access to premium session recordings by industry-active engineers, always available on demand.



24×7 AI Doubt Support

Instant help at 2 AM from our custom-trained AI teaching assistant — never wait till the next class.



Limited Batch Size & Weekly Q&A

Online doubt sessions every Tuesday & Thursday in intimate cohort settings for focused learning.



1:1 Mentorship Sessions

Schedule dedicated one-on-one calls with mentors for personalized code reviews and career guidance.



Mastering MERN Interviews

Dedicated mock interview sessions focused on real full-stack interview patterns and system design questions.



Industry-Recognised Certificate

Earn a GeeksforGeeks certificate of completion, recognised by top-tier tech companies across India.



From Classes to Careers

Mastering the MERN stack positions you for the most in-demand roles in modern software development.

Full Stack Developer

Frontend Engineer

Backend Developer

Software Engineer

Where Our Alumni Work



Microsoft



Google



Amazon



Accenture

Infosys

Infosys



Intel



Capgemini



Cognizant



Wipro



Salesforce



Airtel



TCS



Cisco



HCL



Oracle



Flipkart



Paytm



HP



Dell



Goldman
Sachs

 Includes Resume/LinkedIn Optimization and Mock Interviews

What Our Students Say

“

"The content is highly relevant and closely aligned with current industry standards, demonstrating a strong understanding of modern practices, expectations, and professional requirements. It reflects practical knowledge and up-to-date methodologies that are widely accepted across the industry. The approach, concepts, and execution showcase a commitment to quality, efficiency, and innovation, making the work both credible and applicable in real-world scenarios. Its alignment with established standards enhances reliability, improves overall effectiveness, and ensures compatibility with current market demands. Overall, the material effectively bridges theoretical understanding with practical industry application, making it valuable, professional, and suitable for contemporary business and technical environments."

NR

Nikhil Roy

“

"The course was an amazing learning experience. Complex topics were broken down into simple explanations, making it easy to grasp even difficult concepts. This strong foundation played a key role in helping me secure my placement at Cloud Maven Inc."

MC

Mridu Chauhan

“It was a really great learning experience. Everything was explained in a clear and simple way, which made understanding much easier. Support was provided at every step whenever needed, making the process smooth and enjoyable. Overall, it was very helpful and engaging, and I feel more confident after this experience.”

MB Mohit Bhatia

“The system design sessions at the end tied everything together. I walked into interviews confident about CAP theorem, scaling, and security. Highly recommended!”

SN Sneha Nair

You can be next in our Success Story!



Frequently Asked Questions

Do I need prior experience?

No coding experience is required. We start completely from scratch — web architecture, HTML, and how browsers work — before writing a single line of JavaScript.

Is TypeScript covered?

Yes. Sessions 16 and 17 are dedicated to TypeScript — from basic types and interfaces to generics, API typing, and full frontend integration with React.

Will I learn system design?

Absolutely. Sessions 27–28 cover the Critical Rendering Path, CAP theorem, horizontal/vertical scaling, load balancing, security (XSS, CORS, CSRF), and deployment.

What is the capstone project?

You will design, build, test, and deploy a full-stack application of your choice — a Food Delivery app, LMS, or Auth System — from database schema to live deployment on Vercel or Render.

Ready to master MERN?

Join the program and accelerate your career in Full Stack Development.

Call Us

08069289001

Email Us

courses@geeksforgeeks.org

Geeks Learning Together!

A-143, 7th Floor, Sovereign Corporate Tower,
Sector-136, Noida, Uttar Pradesh - 201305