

FULL CURRICULUM • 2026

Web Development MERN Stack

Build complete websites and apps, front to back.

Every module, every lesson — the complete syllabus, end to end.

15

MODULES

181

LESSONS

6

MONTHS

₹22,500

FULL PROGRAMME

What this course covers

1

Level 1 • Beginner

Intro to Web Development • Fundamentals of Web Technology • HTML

2 months • 4 modules • 36 lessons • ₹6,000

2

Level 2 • Intermediate

HTML CSS Project • Javascript • The Killer Website (Frontend Project)

2 months • 5 modules • 82 lessons • ₹8,000

3

Level 3 • Advanced

NodeJs • ExpressJs • MongoDB

2 months • 6 modules • 63 lessons • ₹8,500

The whole journey

This is the complete syllabus for Web Development MERN Stack — 15 modules and 181 lessons, in the order you will learn them. The level markers show how far each stage carries you, but the curriculum runs as one continuous path from the first lesson to the last.

1

LEVEL 1

Beginner

Intro to Web Development · Fundamentals of Web Technology · HTML

2 months · 4 modules · 36 lessons · ₹6,000



1. Intro to Web Development

3 lessons

- Introduction to the course
- What is Web Development
- How Internet Works



2. Fundamentals of Web Technology

2 lessons

- Fundamentals of Web Technology
- Complete Git and GitHub Commands



3. HTML

14 lessons

- Fundamentals of Web Applications
- Web Resume
- Intro to HTML
- Links in HTML
- Head Tag in HTML
- Forms in HTML - 01
- Text Formatters
- Forms 2.2
- Images in HTML
- Semantic Tags in HTML
- Lists in HTML
- Hosting the application
- Tables in HTML
- PROJECT- Putting it all together



4. CSS

17 lessons

- Intro to CSS
- FlexBox in CSS
- CSS Selectors
- Grid in CSS
- Colors in CSS
- Grid Portfolio in CSS
- Units in CSS
- Media Queries in CSS
- Box Model in CSS
- CSS Variables
- Texts and Fonts in CSS
- Transform in CSS
- Display in CSS
- Transition in CSS
- Positions in CSS
- Keyframe Animations
- Overflow, Float and Clear in CSS

Intermediate

HTML CSS Project · Javascript · The Killer Website (Frontend Project)

2 months · 5 modules · 82 lessons · ₹8,000

5. HTML CSS Project

8 lessons

- Bella Vista - Project Demo
- Bella Vista - Header and Navigation
- Bella Vista - Hero Section
- Bella Vista - Menu Section
- Bella Vista - About Section
- Bella Vista - Contact Us Section
- Bella Vista - CSS Custom Property and Responsive Design
- Bella Vista - Footer Section

6. Javascript

13 lessons

- Intro to JS
- Data Types in JS
- Operators in JS
- If-Else Condition
- Switch in JS
- Loops in JS
- Arrays in JS
- Functions in JS
- Advanced Funcs in JS
- Call Back Hell in JS
- Promises in JS
- DOM Manipulations in JS
- Events in JS

7. The Killer Website (Frontend Project)

26 lessons

- Setting up the folder structure
- Responsive grid system
- Header section - Part-1
- Header section - Part-2
- Header section - Part-3
- Feature section - Part-1
- Feature section - Part-2
- Creating Favorite meal section - Part-1
- Creating Favorite meal section - Part-2
- Creating how it works section - Part-1
- Creating how it works section - Part-2
- Creating the city section - Part-1
- Creating the city section - Part-2
- Creating Customer testimonial section - Part-1
- Creating Customer testimonial section - Part-2
- Creating Sign up section - Part-1
- Creating Sign up section - Part-2
- Creating the contact form section - Part-1
- Creating the contact form section - Part-2
- Creating the footer section - Part-1
- Creating the footer section - Part-2
- Making webpage responsive - Part-1
- Making webpage responsive - Part-2
- Including jquery
- Scrolling effect
- Adding animations



8. Tailwind CSS

19 lessons

- Intro to TailwindCSS
- Tailwind CSS setup with CDN
- Tailwind CSS with CLI
- Importance of Tailwind CSS
- Colors in Tailwind CSS
- Margin and Padding in Tailwind CSS
- Width in Tailwind CSS
- Height in Tailwind CSS
- Size Class in Tailwind CSS
- Positions in Tailwind CSS
- Container Class in Tailwind CSS
- Background Classes in Tailwind CSS
- Filter Class in Tailwind CSS
- Interactivity with Tailwind CSS
- Media Query and Its Breakpoints in Tailwind CSS
- Column Classes in Tailwind CSS
- Flex Classes in Tailwind CSS
- Grid in Tailwind CSS
- Animations in Tailwind CSS



9. ReactJs

16 lessons

- Intro to React
- Road Map to React
- Create a react project
- Understand the React Flow and File Structures
- Creating our own Custom React library and JSX
- Hooks in React
- Props in React
- useState, useCallback, useEffect, useRef in React Hooks
- Hooks Implementation
- React - Router
- Create Context API
- Context API Part 2
- To Do Context With Local Storage
- Keeper App Project Part-1
- Keeper App Project Part-2
- Keeper App Project Part-3

3

LEVEL 3

Advanced

NodeJs · ExpressJs · MongoDB

2 months · 6 modules · 63 lessons · ₹8,500



10. NodeJs

4 lessons

- Intro to Node and Creating a node server
- Req, Res, Http Status Codes and HTTP Methods
- Routing & Redirectional Requests
- Node To-Do-List Application



11. ExpressJs

4 lessons

- Intro to Express
- To Do List Appln - ExpressJS
- Library Management System SetUp
- Library Management System

- ## 12. MongoDB

 - Intro to MongoDB
 - Connection to MongoDB, Project Setup & dotenv
 - Models (Collections Structure) in MongoDB
 - Controllers (Book Controller) & DTO
 - Controllers (User Controller)

5 lessons
- ## 13. Bootstrap

 - Introduction to Bootstrap
 - Features in Bootstrap
 - Colours & Typography in Bootstrap
 - Buttons & Buttons Groups
 - Utility Classes in Bootstrap
 - BreakPoints and Containers
 - Grid Layouts in Bootstrap
 - Project Intro with Grid
 - Navbar in Bootstrap
 - Cards in Bootstrap
 - Accordians in Bootstrap
 - List Groups in Bootstrap
 - Bootstrap Icons
 - Forms in Bootstrap
 - Tooltips in Bootstrap
 - Modals in Bootstrap
 - Offcanvas in Bootstrap
 - Dropdowns in Bootstrap
 - Tabs in Bootstrap

19 lessons
- ## 14. MERN Fullstack project

 - Intro MERN stack & MERN project
 - Express App SetUp
 - Express Router and API Endpoints
 - MongoDB Atlas and Mongoose
 - Models And Schemas
 - Controllers Part - 01
 - Controllers (Part - 02)
 - Creating a react app - Frontend
 - Fetching the data from backend to frontend
 - New workout form
 - Integrating React Context, useReducer Hooks
 - Deleting card date
 - Handling Error Response
 - MERN Finishing Touch

14 lessons
- ## 15. MERN Authentication & Security

 - Intro and starter project
 - User routes, controller and model
 - Signing up a user and hashing their password
 - Email and passowrd validation
 - JSON web tokens (theory)
 - Signing tokens
 - Logging user in
 - Creating react auth context
 - Login and signup forms
 - Making a usesignup hook
 - Making a uselogout hook
 - Making a uselogin hook
 - Updating the initial auth status
 - Protecting API routes
 - Having authorized requests
 - Protecting react routes
 - Assigning workouts to Users

17 lessons

Certificates & what comes next

You receive a certificate at the end of every level you finish. Join for a single level or the full programme — the choice is yours. Learners who stand out may be invited to work on live client projects as interns; these places are merit-based, limited, and depend on projects being available.