

MERN Stack

Get skilled and develop modern web solutions for businesses using the MERN Stack technology

Duration: 5 months course+1 month internship



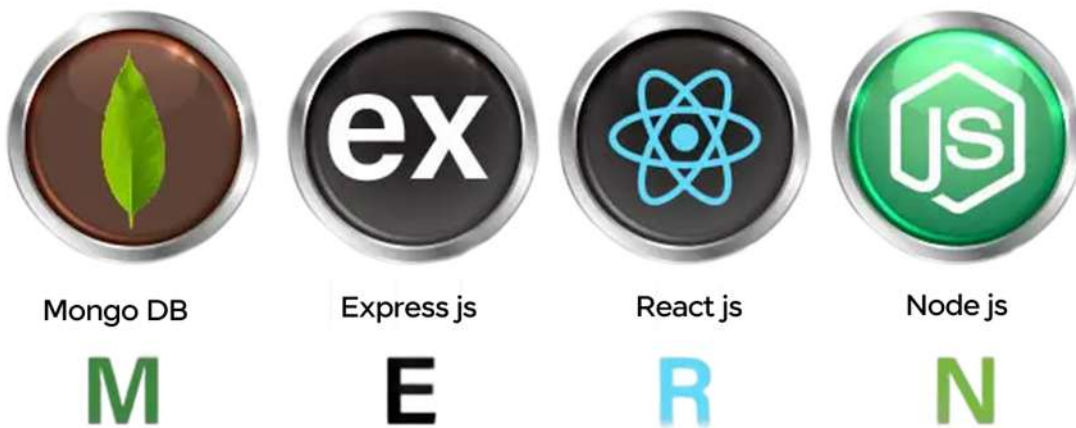
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About the course :

The MERN Stack training program covers full-stack development technologies such as MongoDB, Express.js, React, and Node.js. You will learn to build powerful and responsive web applications using front-end, and back-end development technologies. This project-based course is updated to meet industry standards and helps you start a rewarding tech career

What you will learn :



1. Prerequisites

- Basic knowledge of HTML, CSS, JavaScript
- Understanding of ES6+ features (arrow functions, destructuring, async/await)
- Git & GitHub

2. MongoDB (Database – NoSQL)

- Introduction to NoSQL & MongoDB
- Installing MongoDB & CompassCRUD operations (Create, Read, Update, Delete)
- Schema design & validationAggregation framework
- Connecting MongoDB with Node.js using Mongoose

3. Node.js (Runtime for Backend)

- Node.js Basics & Event Loop
- npm & package management
- File System & Modules
- Building a server with Express
- Connecting with MongoDB

4. Express.js (Backend Framework)

- Setting up Node.js & Express
- Creating RESTful APIs
- Middleware & Routing
- Handling requests & responses
- Error handling & logging Authentication (JWT, OAuth)
- Connecting Express with MongoDB (Mongoose ORM)

5. React.js (Frontend – UI Library)

- Introduction to React & JSX
- Components, Props & State
- React Hooks (useState, useEffect, use Context)
- React Router for navigation
- Handling API calls with Fetch & Axios State Management (Context API, Redux)
- React Forms & Validation Deploying React apps

6. Full-Stack Integration (MERN)

- Connecting React Frontend with Express Backend
- CORS & API Calls Authentication with JWT & Cookies
- Role-Based Access Control (RBAC)
- File Uploads (Multer, Cloudinary)

7. Advanced

- Payment Integration (Stripe, Razorpay)

8. Live Project

Why Techno Dot Academy?



Guaranteed Placement
Assistance and Internship



Endorsed by
Leading IT Firms



Scholarship/Earn &
Learn Option

Exit Profiles

- Full Stack Developer
- Front-End developer

- Back-End Developer

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