

MEAN Stack using AI Course Structure

Duration – 40 Hours (2 Months)



Module 1: Introduction to Web Development & the MEAN Stack – 5 Hours

- Overview of full-stack development concepts and the MEAN architecture (MongoDB, Express.js, Angular, Node.js).
- Basic HTML5 and CSS3 review.
- Setting up the development environment and introduction to JavaScript essentials.

Module 2: MongoDB (Database) – 5 Hours

- Introduction to NoSQL databases and MongoDB basics.
- Database creation, collection management, and advanced querying.
- Connecting MongoDB with Node.js.

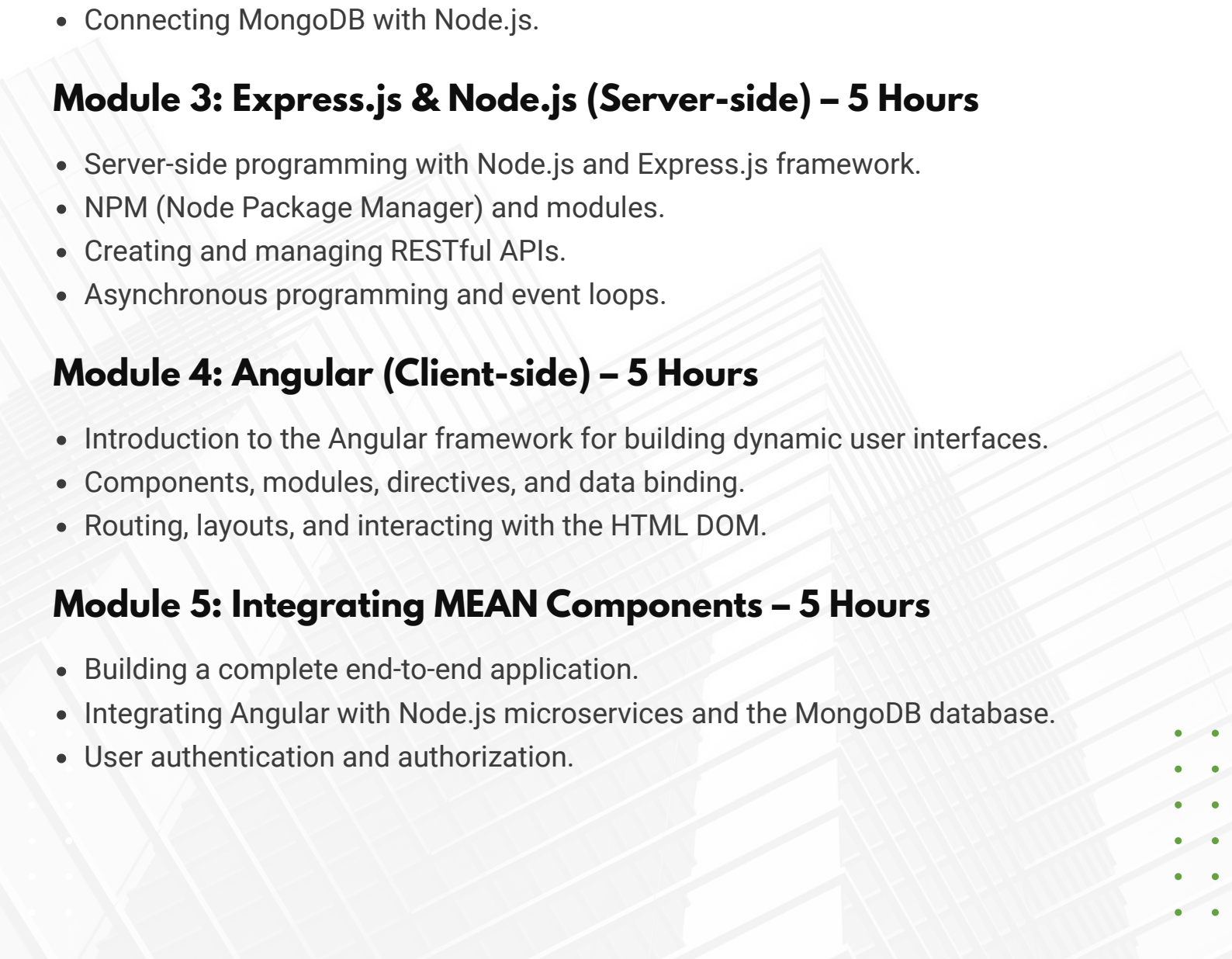
Module 3: Express.js & Node.js (Server-side) – 5 Hours

- Server-side programming with Node.js and Express.js framework.
- NPM (Node Package Manager) and modules.
- Creating and managing RESTful APIs.
- Asynchronous programming and event loops.

Module 4: Angular (Client-side) – 5 Hours

- Introduction to the Angular framework for building dynamic user interfaces.
- Components, modules, directives, and data binding.
- Routing, layouts, and interacting with the HTML DOM.

Module 5: Integrating MEAN Components – 5 Hours

- Building a complete end-to-end application.
 - Integrating Angular with Node.js microservices and the MongoDB database.
 - User authentication and authorization.
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Module 6: AI/ML Integration & Advanced Topics – 5 Hours

- Introduction to data science principles and data handling within web applications.
- Overview of AI/ML integration in modern web development.
- Using Google Tools or other relevant resources to build basic Gen AI apps.
- Deployment practices and security best practices.



Contact Us Today!



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