Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

FULL STACK

MEAN Stack

MongoDB • Express.js • Angular • Node.js



COMPLETE COURSE

₹28,500

JAIPUR, RAJASTHAN

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MEAN Stack

Syllabus at a glance

01

Web and TypeScript

02

Angular frontend

03

Node.js and Express

04

MongoDB and data modelling

05

Identity and integration

06

Testing and deployment

PORTFOLIO PROJECT

Appointment Scheduler

Build an Angular scheduler and use Express and MongoDB to save appointments and detect conflicts.

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Core concepts

01

Web and TypeScript

Build responsive pages and use TypeScript to model inputs and request data.

02

Angular frontend

Use components, routing, reactive forms, services, RxJS and HttpClient.

03

Node.js and Express

Build REST routes, controllers and middleware. Validate inputs and return structured errors.

TOOLS & TOPICS

MongoDB • Express.js • Angular • Node.js

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Applied skills

04

MongoDB and data modelling

Store appointments in documents, design indexes and compare SQL and NoSQL data models.

05

Identity and integration

Apply permissions, connect forms to APIs and show loading, error and empty states.

06

Testing and deployment

Test booking conflicts, check data consistency and document environment settings.

TOOLS & TOPICS

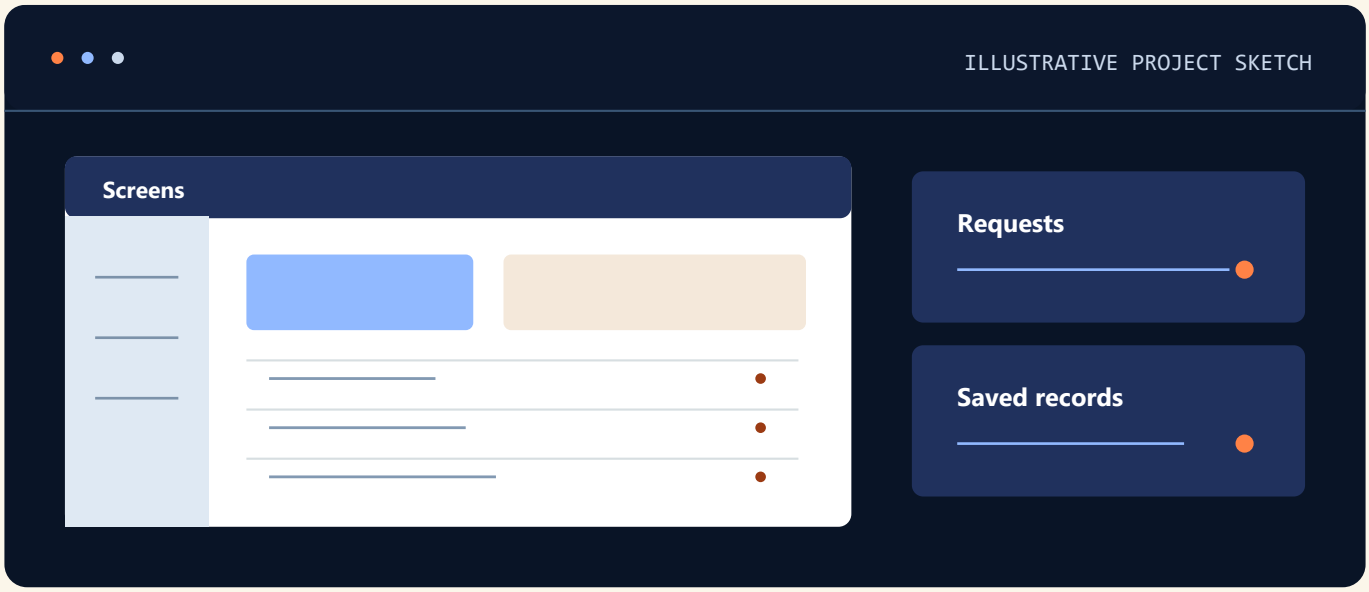
MongoDB • Express.js • Angular • Node.js

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Portfolio project

Appointment Scheduler

Build an Angular scheduler and use Express and MongoDB to save appointments and detect conflicts.



Map the request

Trace one user action through the interface, API and data store.

Check the flow

Test a successful request, a validation error and a permission error.

Working screens, an API checklist, a database sketch and setup instructions.

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Project checklist

Use these checks to prepare your project demo or portfolio handoff.

01

Book an appointment

Show the Angular request, the API response and the stored appointment.

02

Handle a time conflict

Confirm an overlapping appointment is rejected and the error appears in the form.

03

Prepare the project

Provide sample data, a setup guide and test cases for the main workflow.

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Course fees

COMPLETE COURSE

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SQL and NoSQL database training is included with complete Full Stack enrolment.

JAIPUR ENGINEERS ADMISSIONS

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SCAN FOR MAP

View course details online

MEAN Stack

Course content

MODULES 01–02

01 Web and TypeScript

Lessons & practice

- Responsive HTML and CSS
- TypeScript types and interfaces
- Browser forms

HANDS-ON Create a validated appointment form backed by typed request data.

02 Angular frontend

Lessons & practice

- Angular components and routing
- Reactive forms and services
- RxJS and HttpClient

HANDS-ON Show loading, empty and error states in a scheduler view.

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MODULES 03–04

03 Node.js and Express

Lessons & practice

- Node.js modules
- Express controllers and middleware
- API validation and errors

HANDS-ON Return a clear result for both valid and invalid booking requests.

04 MongoDB and data modelling

Lessons & practice

- MongoDB documents and indexes
- Date and overlap queries
- Relational and document models

HANDS-ON Save an appointment and demonstrate how the system detects a conflicting time.

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MODULES 05–06

05 Identity and integration

Lessons & practice

- Authentication and permissions
- UI-to-API contact points
- Feedback for rejected actions

HANDS-ON Test a normal booking, an unauthorized request and a conflict.

06 Testing and deployment

Lessons & practice

- Regression tests
- Runtime configuration
- Deployment and handoff

HANDS-ON Present setup steps, sample data and a repeatable booking test.