



NewbieGet

INNOVATION THROUGH LEARNING

UDYAM MSME · GEM REGISTERED

PROFESSIONAL TRAINING PROGRAM

Full Stack Development

[React · Next.js · Node.js]

Build and ship complete web applications - interface, API, database and deployment - using the stack production teams actually hire for.

64

HOURS

9

MODULES

1

CAPSTONE

10

TOOLS COVERED

TOOLS & PLATFORMS COVERED

HTML5

CSS3

JavaScript

React

Next.js

Node.js

Express

PostgreSQL

MongoDB

Git & CI/CD

Live

INSTRUCTOR LED

Lab

HANDS-ON GUIDANCE

Project

CAPSTONE REVIEW

Certificate

ON COMPLETION

Enrol for the upcoming batch

Live instructor-led · Weekday & weekend batches

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newbieget.tech

From first commit to **deployed product**

Sixteen weeks, one continuously growing application. You start with **HTML, CSS and modern JavaScript**, move into **React and Next.js** for the interface, build a real **Node.js and Express** API behind it, connect **SQL and NoSQL** databases, then test, secure and deploy the whole thing with a CI/CD pipeline.

DURATION**64 hours****PROGRAMME****16 Weeks****FOCUS****Project-driven, end to end****LEVEL****Beginner → Advanced****Who this is for**

- Beginners who want a complete, job-ready web skill set
- Front-end developers adding back-end and database depth
- Back-end developers who want to own the interface too
- Founders and freelancers building their own products

What you will master

- Semantic HTML, modern CSS layout and responsive design
- JavaScript ES6+, async patterns and the DOM
- React components, hooks, state and routing
- Next.js rendering strategies, routing and API routes
- Node.js and Express REST APIs with authentication
- SQL and NoSQL data modelling, plus deployment and CI/CD

OUTCOMES

What you walk away with

01**A deployed application**

A complete full-stack app running on a live URL, built by you across the whole programme.

02**A reviewable codebase**

Version-controlled, tested code with a CI pipeline - the thing employers actually ask to see.

03**Completion certificate**

A NewbieGet certificate recognised by our industry partners on finishing the programme.

Front end & React

01

Web Foundations: HTML, CSS & Responsive Design

8 hrs

[Semantic HTML](#) · [Flexbox](#) · [Grid](#) · [Responsive](#) · [Accessibility](#)

Document structure and semantic elements; the box model; Flexbox and CSS Grid in depth; positioning and stacking contexts; custom properties; responsive breakpoints and mobile-first thinking; transitions and animation basics; accessible markup, contrast and keyboard navigation; browser developer tools.

02

Modern JavaScript (ES6+)

8 hrs

[Types](#) · [Functions](#) · [Async](#) · [Modules](#) · [DOM](#)

Variables, scope and hoisting; arrays and objects; destructuring, spread and rest; arrow functions and closures; array methods for real work; classes and prototypes; ES modules; promises, async/await and error handling; fetch and working with JSON APIs; DOM manipulation and events; debugging in the console.

03

React Fundamentals

9 hrs

[Components](#) · [Props](#) · [State](#) · [Hooks](#) · [Lists & forms](#)

JSX and component thinking; props and composition; useState and useEffect; conditional rendering; rendering lists and keys; controlled forms and validation; lifting state; useContext for shared state; useRef; custom hooks; component file structure; common re-render pitfalls and how to spot them.

04

Next.js & Production React

8 hrs

[App Router](#) · [Rendering](#) · [Data fetching](#) · [Optimisation](#)

Project structure and the App Router; server vs client components; static, server-side and incremental rendering and when each fits; layouts and nested routing; dynamic routes and params; data fetching and caching; API routes; image and font optimisation; metadata and SEO; environment variables; deploying a Next.js app.

Back end & deployment

05

Node.js & Express

8 hrs

[Runtime](#) · [Routing](#) · [Middleware](#) · [Errors](#) · [Structure](#)

The Node runtime and event loop; npm and package management; building an Express server; routing and route parameters; middleware and the request lifecycle; body parsing and validation; centralised error handling; environment configuration; project structure that scales; logging; serving and consuming JSON.

06

Databases: SQL & NoSQL

7 hrs

[Schema design](#) · [Queries](#) · [Joins](#) · [MongoDB](#) · [ORMs](#)

Relational modelling, primary and foreign keys and normalisation; SELECT, WHERE, JOIN, GROUP BY and aggregates; indexes and why queries get slow; transactions; PostgreSQL in practice; document modelling with MongoDB; when relational beats document and vice versa; using an ORM/ODM; migrations and seed data.

07

REST APIs & Authentication

7 hrs

[REST design](#) · [CRUD](#) · [JWT](#) · [Sessions](#) · [Security](#)

Designing resource-oriented endpoints; HTTP verbs and status codes that mean something; request validation; pagination, filtering and sorting; password hashing; JWT vs session authentication; protected routes and role-based access; CORS; rate limiting; the common OWASP risks and practical defences; documenting an API.

08

Testing, Tooling & Code Quality

4 hrs

[Unit tests](#) · [Integration](#) · [ESLint](#) · [TypeScript intro](#)

Why tests pay for themselves; unit testing components and functions; integration testing an API; mocking; test structure and naming; ESLint and Prettier; Git hooks; an introduction to TypeScript - types, interfaces and typing props; reading errors without fear; refactoring safely.

MODULE 9 · 5 HOURS

Deployment, CI/CD & Capstone

Take your application to production: environment configuration and secrets, a GitHub Actions pipeline that lints, tests and builds on every push, deploying the front end and API, connecting a managed database, adding a custom domain and HTTPS, basic monitoring, then presenting a full project walkthrough.

Design



Build



Test



Deploy



Iterate

Start with the **early-bird batch**

★ EARLY BIRD SALE

~~₹44,999~~ **₹7,499** + 18% GST / \$89 USD

Limited early-bird seats · EMI available · Corporate and group rates on request. Fees include all course material, lab guidance and the capstone review.

Hands-on projects

Real-world work that mirrors industry challenges and builds a portfolio you can show.

Industry mentors

Taught by practitioners working on production systems every day.

Practical curriculum

Built around the tools teams actually deploy - not textbook theory.

Certificate on completion

Recognised by our industry partners, issued when you finish the capstone.

ENROL NOW

Let's get you started.

Call or write to us for the next batch dates, the detailed session plan, or a corporate training proposal for your team.

CALL

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WEB

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