

Government Registered

ISO 9001: 2015 Certified

Visit us: www.cmccomputer.in

Email: cmcnewalipore2023@gmail.com



Certificate Course in Full-stack Web Development (Node.js+Express.js+React.js)

1: Web & JavaScript Foundations

HTML5, CSS3, JavaScript (ES6+)- DOM Manipulation, Events, Forms- Async JS: Promises, Async/Await- Git & GitHub Basics- Basic Linux CL

2: Frontend - React.js

React Basics: Components, Props, State- React Router (Routing)- Hooks: use State, use Effect, use Context- Forms Handling- UI Libraries: Tailwind, MUI- State Management: Context API, use Reducer

3: Backend - Node.js + Express.js

Node.js Core Modules- Express.js API Development-Middle wares, Routing, Error Handling- Asynchronous Code Handling , REST API Design Patterns.

4: Databases & Authentication

MongoDB (Mongoose) or PostgreSQL (Sequelize)- CRUD Operations- User Authentication: JWT, Bcrypt, OAuth- Authorization, CORS, Node mailer

5: Full stack Integration & Advanced Concept

Connecting React with Express APIs- Deployment: Vercel, Render. Clean Code Practices (SOLID, Design Patterns)

6: Build & Deploy Projects

E-commerce Platform / Social media application

CMC New Alipore Center 241, S.N ROY Road Kolkata – 700038 91-9830034956 | 91-7980681386