**7-Day Full Stack Development Tutorial**

**Day 1: Introduction to Web Development** - **Topics:** Frontend vs Backend, Overview of Full Stack Technologies - **Description:** Understand the roadmap and technologies like HTML, CSS, JS, React, Node.js, Express, MongoDB. - **Theoretical:** Architecture of a full stack application. - **Practical:** Set up your environment (VSCode, Node.js, Git).

**Day 2: HTML & CSS Fundamentals** - **Topics:** HTML Structure, CSS Styling, Flexbox, Grid - **Description:** Build static pages. - **Theoretical:** Semantic tags, responsive design. - **Practical:** Create a landing page with HTML and CSS.

**Day 3: JavaScript Basics + DOM Manipulation** - **Topics:** Variables, Functions, Events, DOM API - **Description:** Add interactivity. - **Theoretical:** Execution context, callbacks. - **Practical:** Form validation and dynamic UI updates.

**Day 4: React Basics** - **Topics:** Components, Props, State, Hooks - **Description:** Build modern UIs. - **Theoretical:** React’s Virtual DOM. - **Practical:** Create a TODO app with React.

**Day 5: Backend with Node.js & Express.js** - **Topics:** Server Creation, Routing, Middleware - **Description:** Learn server-side programming. - **Theoretical:** RESTful APIs. - **Practical:** Create an Express server with API routes.

**Day 6: MongoDB & Mongoose** - **Topics:** Document Database, CRUD operations - **Description:** Store and manage application data. - **Theoretical:** NoSQL database concepts. - **Practical:** Connect Express to MongoDB using Mongoose.

**Day 7: Full Stack Project + Deployment** - **Topics:** Integrate Frontend & Backend, Host with Vercel/Render/MongoDB Atlas - **Description:** Final project & deployment. - **Theoretical:** CI/CD overview. - **Practical:** Build and deploy a blog or contact manager app.