

## **Full Stack Web Development (4 Weeks)**

### **Week 1: Café Reservation Website**

**Goal:** Build a website where users can reserve tables.

- **Frontend:** Date/time picker, guest count form
- **Backend:** Store and display reservations
- **Admin dashboard:** View/edit/cancel bookings
- **Techs to use:** Whichever you are comfortable with

### **Week 2: Event Management System**

**Goal:** A system to create, list, and register for events.

- **Frontend:** Event cards, register button
- **Backend:** CRUD for events, register user to event
- **Optional:** Limit max participants
- **Admin:** Add/edit/delete events
- **Focus:** Full stack CRUD, form handling, validations

### **Week 3: Mini E-commerce Store**

**Goal:** Create a shopping platform for products.

- **Frontend:** Browse items, add to cart, checkout
- **Backend:** Manage products, orders, and users
- **Optional:** Admin panel to add/edit products
- Include order confirmation page with total amount
- **Focus:** State management, API integration, session handling

### **Week 4: Real-time Chat Application**

**Goal:** Build a chat app using WebSockets.

- **Frontend:** Login, chatroom UI
- **Backend:** Handle message sending and room management
- Store messages to display chat history
- **Optional:** Show online users and typing status
- **Focus:** WebSockets, real-time features, message persistence