6-DAY FULL-STACK DEVELOPMENT ROADMAP

(HTML → CSS → JS → Bootstrap → jQuery → PHP → MySQL → Node → React)

Day 1 — HTML + CSS (Basics to Intermediate)

HTML Topics

- Basic structure (html, head, body)
- Headings, paragraphs, links, images
- Lists
- Tables
- Forms (input, select, textarea, button)
- Semantic tags (header, nav, section, article, footer)

CSS Topics

- Inline, Internal, External CSS
- Selectors
- Colors, Backgrounds
- Padding, Margin, Border
- Display: block, inline-block, inline
- Flexbox
- Simple responsive layout

Mini Projects

- Personal profile page
- Simple login form
- Responsive layout

Day 2 — JavaScript (Core + DOM)

JAVASCRIPT BASICS

- Variables (var, let, const)
- Datatypes
- Operators
- Functions
- Arrays
- Objects
- Loops (for, while)
- Conditions (if / else / switch)
- Fetch Async/Await

DOM & Events

- document.getElementById / querySelector
- Click, change, submit events
- Updating text, styles
- Simple validations

Mini Programs

- Counter app
- Form validation

Day 3 — Bootstrap + jQuery

BOOTSTRAP TOPICS

- Grid system
- Buttons, Cards, Navbar
- Tables, Forms
- Modal, Carousel
- Responsive design

JQUERY TOPICS

- Selectors
- Events → click(),dblclick(),change()
- hide(), show(), toggle()
- fadeIn(), fadeOut()
- addClass(), removeClass()
- slideDown(),slideUp()

Day 4 — MySQL + PHP (Backend)

MYSQL TOPICS

- What is MySQL
- Creating a database
- Using a database
- Creating tables
- Understanding data types
- Primary key
- Auto Increment
- Foreign key (basic idea)
- Insert query
- Select query
- Update query
- Delete query

CONSTRAINTS

- NOT NULL
- UNIQUE
- PRIMARY KEY
- AUTO_INCREMENT
- DEFAULT
- CHECK
- FOREIGN KEY

JOINS

INNER JOIN,LEFT JOIN ,RIGHT JOIN ,FULL JOIN

PHP TOPICS

- WHAT IS PHP
- PHP & MySQL CONNECTION
- CRUD APP
- E-COMMERCE PROJECT

Mini Project

- CRUD operations (Add, View, Edit, Delete)
- E-Commerce Project

DAY 5 — REACT.JS TOPICS

- INTRODUCTION TO REACT
- REACT PROJECT SETUP
- JSX
- COMPONENTS
- PROPS
- PROPS DRILLING
- HOOKS
- STATE (USESTATE)
- EVENTS (ONCLICK, ONCHANGE)
- USEEFFECT
- USECONTEXT
- USEREF
- USEMEMO
- FORMS HANDLING
- LISTS & KEYS
- API FETCHING
- MINI PROJECTS

DAY 6 — NODE.JS + EXPRESS + MYSQL

- ➢ INTRODUCTION TO NODE.JS
- ➢ INTRODUCTION TO EXPRESS
- ➢ NODE.JS SETUP
- ➢ CREATING EXPRESS SERVER
- ➢ MIDDLEWARE (JSON, CORS)
- ➢ MYSQL DATABASE CONNECTION
- ➢ CRUD API (GET, POST, PUT, DELETE)
- ➢ PROJECT FOLDER STRUCTURE
- ➢ STUDENT CRUD API
- ➢ EMPLOYEE CRUD API

PROJECTS

- ➢ CREATE YOUR OWN NODE.JS SERVER
- ➢ YOUR SERVER WILL FETCH EXTERNAL API DATA
- ➢ SEND THAT DATA TO YOUR REACT FRONTEND
- ➢ REACT WILL DISPLAY THE DATA