

A comprehensive 6-month scheme for mastering Next.js.

- Month 1: Foundations (Weeks 1–4)
 - Goal: Understand how the web works + master HTML & CSS + intro to JS.
 - Week 1: Introduction & HTML Basics
 - How the web works (servers, browsers, HTTP)
 - HTML structure, tags, forms, tables
 - Semantic HTML
 - Week 2: CSS Essentials
 - Styling basics (colors, fonts, units)
 - Box model, positioning
 - Flexbox & Grid
 - Transitions and basic animations
 - Week 3: Responsive Design
 - Media queries
 - Mobile-first approach
 - Accessibility
 - **Project: Responsive Landing Page**
 - Week 4: JavaScript actions on HTML
 - DOM manipulation basics
 - Event on HTML element
 - Introduction to typescript and why use them in projects
 - **Project: Clone a simple website**
- Month 2: Deep Dive Into JS, TS & React (Weeks 5–8)
 - Goal: Learn core JS/TS concepts, then start React.
 - Week 5: More on TypeScript
 - Why TypeScript in React
 - Types, interfaces, functions
 - Working with TS in small projects
 - Week 6: React Basics
 - JSX, components, props & state
 - Event handling, conditional rendering
 - **Project: Counter App & Color Picker**
 - Week 7: React Intermediate
 - Forms and inputs
 - useEffect & useState
 - Component reuse and props drilling
 - Week 8: More examples based on week 7
 - Introduction of Typescript in React
 - Making an ajax request
 - The use of react query for state management and data fetching.
 - **Project: Blog UI with likes and comments**

- Month 3: Next.js + Tailwind + Real World UI (Weeks 9–12)
 - Goal: Go deeper into React ecosystem using Next.js & Tailwind CSS.
 - Week 9: Next.js Fundamentals
 - File-based routing
 - Pages, components, static vs dynamic pages
 - Link, Image, Head components
 - Week 10: Data Fetching in Next.js
 - `getServerSideProps` vs `getStaticProps`
 - API routes
 - Server actions
 - Parallel routing and intersecting pages
 - Week 11: Tailwind CSS Mastery
 - Utility-first concepts
 - Responsive design with Tailwind
 - Customizing themes and dark mode
 - Week 12: Integrating Tailwind + Next.js
 - Clean UI design
 - Component reuse with Tailwind
 - **Project: Portfolio Site using Next.js + Tailwind**
- Month 4: Explore more on Next.js Design (Weeks 13–16)
 - Goal: Learn how React folders are structured and best practices
 - Week 13: React hook form and Zod for validation
 - Week 14: React custom hooks
 - Week 15: Working with metadata and OpenGraphs in Next.js
 - Week 16: Revision on things covered in week 13, 14, 15 and 16
- Month 5: Full Stack Development with Prisma & Real-Time (Weeks 17–20)
 - Goal: Learn databases, server communication & real-time systems.
 - Week 17: Git & GitHub
 - Git basics: init, add, commit, push
 - Branching, merging
 - Working with GitHub (Issues, PRs)
 - Week 18: Prisma + Databases
 - Non-Relational DBs (MongoDB)
 - Prisma schema, migrations
 - CRUD operations
 - Project: Task Tracker with DB
 - Week 19: WebSockets
 - What is WebSocket & how it works?
 - Implementing basic real-time chat using Socket.io
 - Project: Real-Time Chatroom
 - Week 20: Authentication

- JWT or NextAuth
 - Protected routes, role-based access
 - Folder structure for best practices in Nextjs
-
- Month 6: Advanced Systems + Capstone (Weeks 21–24)
 - Goal: Payments, webhooks, automation, then capstone.
 - Week 21: Payment Gateways
 - Flutterwave, Paystack, or Stripe integration
 - Handling success/failure callbacks
 - Week 22: Webhooks
 - How webhooks work
 - Receiving and validating webhook events
 - Week 23: Cron Jobs
 - What are cron jobs?
 - Automating tasks in Node/Next.js
 - Week 24: System designs and extra package
 - Sending mail with NodeMailer
 - Hosting applications
 - Buying a domain name and configuring it