

✓ Week 1: JavaScript Fundamentals

Goal: Learn the syntax, data structures, and basic DOM manipulation using JavaScript.

Day	Topics	Learning Resources	Practice Tasks	Status
1	JavaScript Syntax & Variables	MDN Variables	[] Declare and log variables with different types using typeof	
2	Operators & Conditionals	W3Schools Operators	[] Calculator logic using +, -, *, /[] Grade student scores with if-else	
3	Loops & Functions	FreeCodeCamp Basics	[] Fibonacci series and factorial calculator[] Create a reusable function	
4	Arrays & Objects	JavaScript.info Array	[] Build a todo list manager[] Loop through user object data	
5	DOM Manipulation	MDN DOM	[] Form with validation[] Color switcher with buttons	

Resources Links:

<https://www.freecodecamp.org/learn/full-stack-developer/>

<https://javascript.info/array>

✓ Week 2: Git + Node.js Basics

Goal: Understand version control, server-side logic with Node.js and Express.

Day	Topics	Learning Resources	Practice Tasks
6	Git & GitHub	Git Handbook	[] Init repo, commit, push, create branches and PRs
7	Node.js Overview	Node.js Docs	[] Build Hello World server with http module
8	File System, Modules	Node.js FS	[] Read/write files, create CLI tool with custom module
9	Express Intro	Express Docs	[] REST API with routes and path/query parameters
10	Middleware & REST	REST YouTube	[] Use express.json(), test with Postman

✅ Week 3: React (with Vite)

Goal: Create dynamic frontend using components, hooks, and routing.

Day	Topics	Learning Resources	Practice Tasks
11	Vite + React Setup	Vite Guide	[] Scaffold React project using Vite
12	Components & Props	React Learn	[] Create reusable components like Card, Button
13	useState & Events	React State	[] Build counter and form handler
14	useEffect + Fetch	React Effects	[] Fetch and display user list
15	React Router	Router Docs	[] Build navigation and route between pages

✅ Week 4: MongoDB + Full Stack Integration

Goal: Use MongoDB for backend data storage and integrate with frontend.

Day	Topics	Learning Resources	Practice Tasks
16	MongoDB Basics	MongoDB Learn	[] Connect to Atlas and insert records
17	CRUD with Mongoose	Node Mongo CRUD	[] API endpoints for Create, Read, Delete
18	Full Stack Connect	—TBD	[] Connect React frontend to backend with API calls
19	Final Project - 1	—TBD	[] Begin Notes App (React + Node + Mongo)
20	Final Project - 2	—TBD	[] Finalize project and demo to mentors

AI Tools

ChatGPT(<https://chat.openai.com>)

Codeium(<https://codeium.com/>)

Phind(<https://phind.com/>)

Tabnine(<https://www.tabnine.com/>)

Replit Ghostwriter(<https://replit.com/site/ghostwriter>)

“Practice. Build. Repeat.” Push your work regularly to GitHub and ask for feedback.

Presented by **Legal Genius - Engineering Team**

