

Frontend Engineering 15-Hour Bootcamp Curriculum

Module	Topic
1.	How the Web Works
2.	HTML
3.	CSS Fundamentals
4.	Tailwind CSS
5.	Responsive Design (using Tailwind)
6.	Git & GitHub
7.	Deployment (GitHub + Vercel)
8.	JavaScript Fundamentals
9.	TypeScript
10.	Next.js
11.	AI-Assisted Development
12.	Final Project

Week	Class	Topics
Week 1	Class 1	How the Web Works, Development Environment (VS Code, Browser, Extensions), HTML Fundamentals
	Class 2	HTML Project, CSS Fundamentals (Selectors, Box Model, Typography, Spacing)
Week 2	Class 3	Flexbox, Grid, Tailwind CSS Introduction
	Class 4	Responsive Design, Git & GitHub, First Deployment with Vercel
Week 3	Class 5	JavaScript Fundamentals Part 1 (Variables, Types, Operators, Functions, Conditionals)
	Class 6	JavaScript Fundamentals Part 2 (Arrays, Objects, Loops, Array Methods, Modern JavaScript)
Week 4	Class 7	TypeScript Essentials, Why TypeScript, Types, Interfaces, Functions
	Class 8	Next.js Fundamentals (Project Structure, App Router, Components, JSX, Props, Routing)
Week 5	Class 9	Next.js Continued (State, Forms, API Integration, Async/Await, Fetch, Tailwind in Next.js)
	Class 10	AI-Assisted Development (Prompting for Developers, Debugging with AI, Learning with AI, Reading Documentation, Code Reviews, Building Features with AI, AI Best Practices)

	Class 11	Final Project Presentation, Best Practices, Project Review, Career Advice, Q&A
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