



DSA + WEB DEV

8 Smart Study

Master problem-solving + projects with balance, clarity
& curiosity

Curated by [Your Name] | April 2025



🧠 1. Understand, Don't Memorize.

DSA: Don't just memorize syntax or solutions — understand why an algorithm works and when to use it.

Web Dev: Learn how each tool (HTML, CSS, JS, React, etc.) fits into the big picture of a website/app.

- ✓ Tip: Always ask yourself — “Could I explain this to someone else in simple words?”



2. Practice Daily – Especially for DSA

Consistent practice > marathon sessions.

Focus more on problem-solving patterns than number of problems.

Track your errors and revisit them weekly



🛠 3. Build While You Learn (Web Dev)

🛠 Apply every new concept to a small project.

📝 Learn forms? 📩 Make a contact form.

weathermap 🌡️ Learn APIs? 🌎 Make a weather app.

🚧 Don't wait to build a "big project" — iterate early.



4. Take Notes and Bookmark

Keep a Notion or Google Docs with:

1. Code Snippets
2. key concepts
3. mistakes you made and fixed

Bookmark useful resources (MDN, GeeksforGeeks, etc.)



⟳ 5. Review and Revise

🧠 Weekly recap is very important — you'll forget more than you think.

💻 For DSA: re-solve 2–3 past problems each Sunday.

🔧 For Web Dev: polish or debug one of your projects on weekends.



6. Be Curious

🔍 Look under the hood:

❓ Ever wondered how 'useState' works? Explore.

📝 Why is Binary Search $O(\log n)$? Visualize.

💡 Don't rush through content; spend extra time when something feels unclear.



7. Engage with Community (Optional but Powerful)

👉 Post your projects on GitHub early.

💬 Join a Discord, Telegram, or Reddit coding group.

💡 Ask questions and help others — teaching is powerful for retention.



8. Don't Burn Out

- ⌚ Avoid overloading your day — balance DSA and Web Dev.
- ⌚ Use the Pomodoro method or set clear “focus + rest” blocks.
- SOS If you're stuck for more than 30 mins, seek help or change approach.