# Resources to Learn Full stack web development (MERN)



## Computer Fundamentals

- How the web works?

- HTTP vs HTTPS

- What is DNS? How it works?

## Foundation / Frontend

### Learn HTML

- HTML Full course by Freecodecamp

- HTML on W3Schools

- Cheatsheet on MDN

### Learn CSS

- CSS Full course by Freecodecamp

- Everything you need to know about Flexbox *Seriously the best Flexbox resource I've found*

- A visual guide to CSS—CSS Reference

- CSS Pro Tips—A collection of tips to help take your CSS skills pro.

- 10 principles for smooth web animations

# Practice Projects

- Login form with Glassmorphism effect

- Learn HTML and CSS by building 5 Projects

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## Learn JavaScript

- JavaScript Docs

**Courses/Tutorials**

- Courses.AngularClass.com—Topics Include: webpack, nodejs, npm, es5, es6, esnext, & rxjs, typescript [Course Link]

- Edabit—Learn JavaScript With Interactive Challenges: Earn XP, Unlock Achievements & Climb The Leaderboard [Edabit—Website Link]

- Free Advanced JavaScript Courses—Learn Object Oriented Programming, Call Apply, and Bind, Testing, Functional Programming, and much more

- Intermediate Course—Udacity—OOP JS

**Practice Projects**

- JS 30 For 30—30 Projects for 30 Days

- 5+ Practice project on github

- Personal portfolio project

- 13 Weeks of JavaScript (Medium)—Tons of links to JS resources

**Articles/Books**

- Recursion, Recursion, Recursion (Medium)

- Eloquent JS—Free JavaScript Ebook

- You don't know JS—Free, hosted on GitHub

- [Asynchronous Module Definition](#)

## Learn Git/Github

Official [Tutorial](#)—Learn Git in 15 Minutes

Official [Docs](#)

Other Tutorials:

- [Git, the simple guide](#)

- [Learn Git Branching—Level by Level learning](#)

- [Learn Git in 30 Minutes—Article](#)

- [Here are all the Git commands I used last week and what they do (Medium)](#)

- [Official git cheatsheet](#)

## Learn NPM

- [What is npm?](#)

- [Tutorials for beginners](#)

- [npm tutorial (in hindi)](#)

# Frameworks/Libraries

## Javascript Library

## Learn ReactJS

- [Reactjs for beginners](#)

- [Official Docs](#) - very useful

- [Build 25 React Projects](#)

## CSS Framework

> Learn any one css framework:

### 1/ Learn Tailwind CSS

- [Tailwind CSS full course](#)
- [Awesome docs](#)

### 2/ Learn Bootstrap

- [Bootstrap 5 crash course](#)
- [Quick start](#)

# Backend

## Language

### Learn Node JS

Official Node.js [Docs](#)

Best Resources for learning Node.js

- [YouTube](#)
- [Node School](#)
- [Medium—Why the hell would you use Node?](#)
- [Building a modern backend API with Node](#)
- [Node JS Login with Passport—YouTube](#)
- [10 Best Practices for Writing Node.js REST APIs](#)

## Database

## Learn MongoDB

- [Mongodb in 100 seconds](#)

- [Complete Mongodb tutorial](#)

# Others

- [What is API?](#) Tutorial for beginners

- [Article on Session management](#)

- [What is authentication?](#)

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# Tools

- [Module bundler explained](#)

- [Prompt Engineering Tutorial – Master ChatGPT and LLM Responses](#)

- [ChatGPT.com](#)

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## Full Stack Tutorials

- [Intro to Back End Web Development](#)

- [Deploying Applications with Heroku](#)

- [Client Server Communication](#)

- [Express—Using a DB with Mongoose](#)

- [Node JS and Databases](#)

- [Node JS and Authentication](#)

- [Express JS Database Integration](#)

- [MERN Stack Tutorial—Mongo, Express, React, Node](#)

- [MongoDB MERN Tutorial Series](#)

- [Full Stack MERN Tutorial—YouTube](#)

- [Build a URL Shortener with Node, Hapi, and Mongo](#)

- [How to Create a Complete Express.js + Node.js + MongoDB CRUD and REST Skeleton](#)

- [Building web app using react.js, express.js, node.js and mongodb](#)—Part 1, 2

- [Create a character voting app using React, Node.js, MongoDB and Socket.IO](#)

- [Building a React Universal Blog App: A Step-by-Step Guide](#)

- [Building a Secure RESTful Node.js app](#)

# Games and Challenge Websites

- Games to learn Programming in an easy and fun way

  - [Flex Box Froggy](#)

  - [Flex Box Defense](#)

  - [Edabit](#)

  - [Coding Game](#)

  - [Elevator Saga - JS](#)

  - [Scratch - Absolute Basics](#)

- Coding Challenge Websites

  - [Medium - 10 most popular coding challenge sites of 2016](#)

  - [Codechef](#)

  - [Code Wars](#)

  - [Coding Game](#)

  - [Hacker Rank (some debate about this being good/bad](#)

  - [Project Euler (math focus)](#)

  - [Exercism](#)