MERN STACK ROADMAP

Complete roadmap to become a pro in MERN STACK with free learning material

Lets Code

MERN Stack RoadMap with free Learning material

🎯 Phase 1: Mastering the Fundamentals of Web Development

Before embarking on your journey through the MERN stack, it's crucial to establish a solid foundation in web development essentials. This phase involves grasping the core concepts of:

HyperText Markup Language (HTML): Learn the structure and semantics of web pages.

Cascading Style Sheets (CSS): Acquire the skills to design and style web content.

JavaScript (JS): Gain proficiency in adding interactivity and functionality to web pages.

📌 Learning materials

W3Schools' HTML Tutorial: https://lnkd.in/gMFdN6SV

Codecademy's HTML & CSS Course: https://lnkd.in/gCT-9deQ

Codecademy's JavaScript Course: https://lnkd.in/gdxBW_-y

YouTube links

HTML/CSS - https://lnkd.in/dzJu2dD

JavaScript - https://lnkd.in/dMNn742p

🎯 Phase 2: Node.js Proficiency

Node.js, an essential component of the MERN stack, empowers server-side JavaScript execution. During this phase, delve into Node.js intricacies, including:

Understanding its runtime environment and server-side capabilities.

Exploring built-in modules and asynchronous programming.

Grasping the event-driven architecture.

📌 Learning materials

Node.js Official Documentation: https://lnkd.in/gEf2T-Ft

Node.js Hindi playlist - https://lnkd.in/gekrB4Ty

Node.js English playlist- https://lnkd.in/grh-FtGe

🎯 Phase 3: Mastery of MongoDB

MongoDB, a NoSQL database system, is pivotal in storing MERN stack application data. Dive into the world of MongoDB, focusing on:

Fundamental concepts like data modelling, querying, and aggregation.

Proficiency in managing data using MongoDB's JSON-like format.

📌 Learning materials

MongoDB's Official Documentation- https://docs.mongodb.com/

MongoDB Hindi playlist - https://lnkd.in/ghiJGSvh

MongoDB English playlist - https://lnkd.in/dq2BhSEh

🎯 Phase 4: Exploring Express Framework

Express, a Node.js framework, streamlines web app and API development. Delve into Express, concentrating on:

Efficient handling of HTTP requests and routing.

Middleware management for better control of application flow.

📌 Learning materials

Express JS English playlist - https://lnkd.in/g3b9AS4D

Express JS Hindi playlist - https://lnkd.in/gSGND4Ur

🎯 Phase 5: React Expertise

React, a dynamic JavaScript library, empowers UI construction. Uncover the intricacies of React, including:

Utilizing JSX for building interactive interfaces.

Grasping component-driven architecture and state management.

📌 Learning materials

React's Official Documentation: https://lnkd.in/g5gu4mx5

React Hindi playlist - https://lnkd.in/gM39NEm3

React English playlist - https://lnkd.in/dRnbUQCT

🎯 Phase 6: Learn to use MERN stack together

Now that you're proficient in each MERN stack component, it's time to synchronize them to build real-world applications. Here's how to orchestrate the stack effectively:

Set up your development environment with tools like npm, yarn, and create-react-app for smoother workflow.

Explore deployment options with platforms like Vercel, Render, Heroku, and AWS to host your projects seamlessly.

📌 MERN stack together playlist – [YouTube playlist](#)

To solidify your MERN stack skills, engage in hands-on projects that offer real-world application challenges.

Some notable project ideas include: - [Reference Link](#)

1- E-Commerce Website

2- Weather Application

3- Public Blog Application

4- Realtime Chat Application

5- Food Delivery Application

By following this skill development pathway, you'll be well-equipped to create dynamic and robust applications using the MERN stack.

Follow [Let's Code](#) for more resources

📌 Note: The content is taken from the web for education purpose only.