Web development Roadmap

From Web Pages to Full-Stack Development

Our contact:

Our Website

Our whatsapp:

WhatsApp.com

Our discord server:

🖼️ Discord

Join the Omga_code server Discord Server!

Your Path to Web Mastery **(6 Levels – 36 Sessions)**

To help kids understand the basics of web development through hands-on projects while developing logical thinking and creative design skills.

1

Level 1: HTML

Building Web Pages

2

Level 2: CSS

Styling and Design

3

Level 3: JavaScript

Logic and Interaction

4

Level 4: Bootstrap

Fast & Responsive Design

5

Level 5: Git + React

Version Control & Frontend

6

Level 6: Node.js + Express + MongoDB + Mongoose

Full-Stack Development

Level 1: HTML - Building Web Pages

Goal:

Learn how to create the fundamental structure of a webpage using HTML.

Topics:

- What is the Internet? What are websites?
- Basic HTML tags: <html>, <head>, <body>, headings, paragraphs
- Adding images, links, and videos
- Creating lists and tables
- Creating forms: <form>, <input>, <button>, <textarea>

Project:

⬜ Personal profile page with image, links, and form

MGA

Level 2: CSS - Styling & Design

Goal:

Learn how to style web pages to look attractive and colorful, enhancing user experience.

Topics:

- What is CSS? How to link it to HTML?
- Using colors, backgrounds, and custom fonts
- The box model: padding, margin, border
- Using classes and IDs to target elements
- Designing a profile card (fun layout)

Project:

 A colorful, styled kids-themed webpage.

MGA

Level 3: JavaScript - Logic & Interaction

Goal:

Make websites interactive using JavaScript, enabling dynamic content and user engagement.

Topics:

- Intro to JavaScript and <script> tag
- Variables and if-conditions
- Handling events: onclick, onmouseover
- Loops: for, while
- Interacting with users: alert, prompt, confirm

Project:

 A counter app or quiz game.

MGA

Level 4: Bootstrap - Fast & Responsive Design

Goal:

Learn to use Bootstrap, a powerful framework for building responsive websites quickly and efficiently.

Topics:

- What is Bootstrap? How to include it?
- Grid system: Rows and columns
- Components: Buttons, Cards, Alerts
- Advanced forms and validation
- Navbar and Footer design

Project:

 Educational website for kids using Bootstrap

MGA

Level 5: Git + Intro to React

Goal:

Introduce version control and basic component-based UI with React

Topics:

- What is Git and GitHub?
- Creating and pushing projects to GitHub
- Intro to React: What is a component?
- Building a product card using React
- Understanding props and state
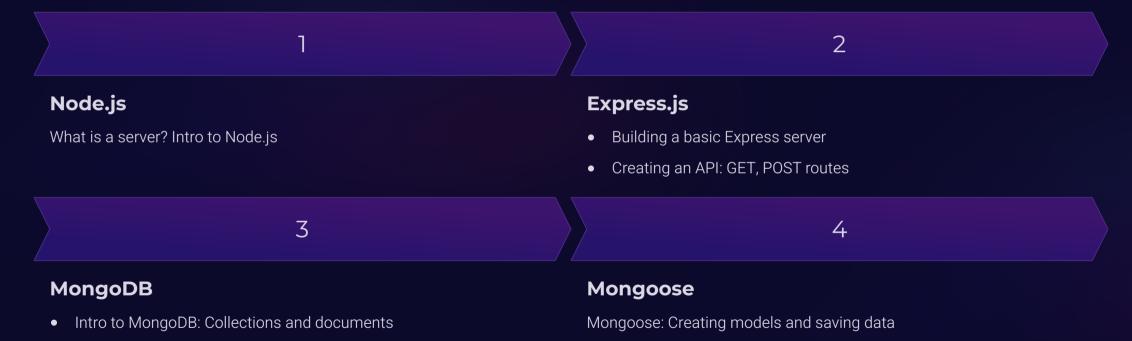
Project:

A product display card (image, name, price)

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Level 6: Node.js + Express + MongoDB + Mongoose

Goal:

Dive into full-stack development by learning to build robust backend systems with Node.js, Express, MongoDB, and Mongoose.

Topics:

1

Node.js

What is a server? Intro to Node.js

2

Express.js

- Building a basic Express server
- Creating an API: GET, POST routes

3

MongoDB

- Intro to MongoDB: Collections and documents

4

Mongoose

Mongoose: Creating models and saving data

Project:

⬜ Guest message board or notes app with database integration.