Learning Programmer

Introduction:

The idea of website named as learning programmer is to start blogs of my own related to technology and students puruing programming or those who wants to get started with it, with some added features like newsletters and storing the topics suggested by the users into a database using NodeJS, Express and MongoDB.
By medium of these blogs, I am targeting the students or more specifically students learning programming, and even the people trying to get started with programming. I'm willing I can help with daily struggles and problems; and even give them little advices in order to improve their skills and future lives.

Design and Implementation:

I connected the endpoints /subscribe, /topics and /rating to the front end of the project. These endpoints allow the user to perform tasks like, subscribing to the email newsletter, suggest some topics for upcomming blogs and to rate the blog which will help me figure out which type of blogs readers are more interested in.
I faced difficulty in designing the front-end part for allowing users to post comments and see those posted by other users as wll but it was not working well with the design; and I already have enough input fields in my page that I decieded that I don't want more, so I dropped my idea for adding the comment section. And thus changed the ratingSchema to only deal with rating and not with comments.
The application that I have built only uses the basic modules, some of the modules that I have used for this project are:

- http: For connecting with the server
- https: For secure connection between the server and client side
- fs: For using file structures
- mongoose: For storing the emails and topics that users fill and well as use of mongoose population for rating
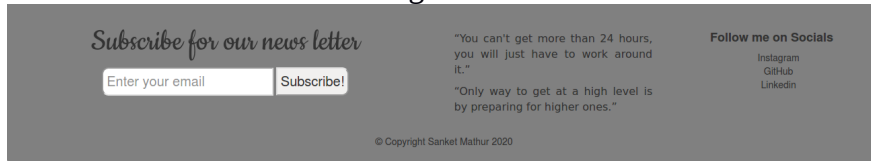
Conclusions:

- List of all the blogs
  This list would include all the blogs from where the user can navigate to different blog posts and read them. This could be implemented using general HTML, CSS a nd JS.

- Section in the footer to subscribe to the email newletter.
    - This stores all the emails into a mongodb database.

- Letting the users send some topics and questions for future blogs
    - This is another function using NodeJS and MongoDB to store the strings sent by the user into a database.

- User rating as per each blog post
    - Rating on each blog can help me understand which type of blogs users are more into.

- Light Mode – Dark Mode toggle
    - Light mode and dark mode toggle is yet another general feature which must be present when creating a blog website for programmers since it is easy to read in low light and helps in waking up late at night.

References:

- https://learningprogrammer.ga/ (My Older website)
- https://learningprogrammer.tech/ (My current website that is using PHP and I wanted to convert to Node)
- https://breakingintostartups.com/
- https://www.miss-thrifty.co.uk/
- https://solopreneurhour.com/
- https://www.sidehustlenation.com/
- https://knowtechie.com/
    - (These are the websites from where I took my inspirations for features and content)