

Gaurav Singh

+917055127777 | gauravsingh65440@gmail.com | [LinkedIn](#) | [LeetCode](#) | [GitHub](#) | [Personal Website](#)

Education

Amity University

Bachelors of Computer Application (BCA); CGPA: 8.65

Noida, UP, India

July 2021 – July 2024

Skills

Languages: C++, HTML/CSS, JavaScript, SQL

Frameworks/Libraries: Tailwind CSS, React.js, Redux Toolkit

Backend: Node.js, Express.js, Mongoose ODM

Databases: MySQL, MongoDB

Developer Tools: Git, GitHub, VS Code

Certifications: Data Structures and Algorithms by Udemy [[Link](#)]

Soft Skills: Problem-Solving, Critical-thinking, Adaptability, Communication, Teamwork

Projects

URL Shortener [[GitHub](#)] [[Demo](#)] - MongoDB, Express.js, React.js, Node.js (**MERN**), Tailwind CSS

- A **full-featured URL shortener** built with the **MERN stack** (MongoDB, Express.js, React.js, and Node.js) to simplify **long URLs** for easy sharing.
- The application integrates a **RESTful API** to handle URL shortening, user management, and analytics efficiently.
- It features secure **JWT authentication** for user login, logout, registration, and account deletion. Users operate in private environments, managing their shortened URLs, with additional functionality like **click tracking** for analytics and seamless short URL redirection.
- The backend uses **Mongoose ODM** for defining and managing schemas, and is configured with **CORS (Cross-Origin Resource Sharing)** to enable secure API access. The frontend is styled with **Tailwind CSS** for a responsive design and uses **Axios** for efficient **HTTP requests**.

Amazon Clone [[GitHub](#)] [[Live Link](#)] - React.js, Tailwind CSS, Redux Toolkit and Firebase

- Built an **Amazon Clone** replicating core features of an **e-commerce platform**, including **user authentication**, **responsive UI**, and **cart management**. Developed using **React.js** for a dynamic frontend and **Tailwind CSS** to ensure a responsive user interface across devices. **Redux Toolkit** is used for efficient **state management**, particularly for cart management (adding/removing products). Integrated **Firebase** for hosting and secure user authentication.

Sorting Visualizer [[GitHub](#)] [[Live Link](#)] – HTML, CSS and JavaScript

- Created a **Sorting Visualizer** project to visually demonstrate how various **sorting algorithms** work, including **Bubble Sort**, **Selection Sort**, **Insertion Sort**, **Merge Sort**, **Quick Sort**, and **Heap Sort**. This project offers an interactive way to understand how sorting algorithms works.

Achievements

- Solved **760 problems** (246 Easy, 415 Medium, 99 Hard) on LeetCode and earned badges like **500 Days Streak**, **Annual Badge 2024**, and more.
- Consistently solved DSA problems on LeetCode for over a year, earning **6000 LeetCode Coins** and a **LeetCode t-shirt**.