

ASHUTOSH SINGH

Computer Science Engineer

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PROJECTS

Project 1

>_ Personal Portfolio

- **Dual Modes for Your Comfort:** Immerse yourself in a personalized viewing experience with both light and dark modes. Switch effortlessly between themes to explore my work in a visually pleasing environment.
- **Responsive Design:** Seamlessly traverse through my portfolio on any device. The responsive design ensures a consistent and engaging experience, whether you're on a desktop, tablet, or smartphone.
- **Effortless Navigation:** Explore my projects effortlessly with multiple navigation buttons strategically placed for your convenience. These intuitive buttons guide you through the various sections, ensuring a smooth and enjoyable journey through my portfolio.
- **Direct Email Interaction:** Connect with me directly through my portfolio. The streamlined design allows you to send me an email with just a click, fostering easy communication and opening doors for collaboration.

Project 2

>_ Delhi Metro Navigation Console App

- **Java program** designed to help commuters find the shortest route and fare between any two metro stations.
- **User-Friendly Input:** Input the source and destination metro stations easily, providing the app with the information it needs to calculate the shortest route and fare.
- **Graph Representation:** The metro network is represented as a graph, with each station as a node
- **Edge Information:** Edges between nodes represent the connections between metro stations, with the cost of each edge equal to the distance between the two connecting stations.
- **Algorithmic Magic:** Utilizing algorithms such as *Dijkstra's*, *breadth-first search*, and *depth-first search*, the app determines the shortest path between the source and destination stations.
- **Heap Implementation:** The app includes a heap data structure to efficiently manage the priority queue needed for algorithms like Dijkstra's. This enhances the performance of path-finding and makes the app responsive even for large metro networks.

SKILLS

C++ ● ● ● ● ●

JS ● ● ● ● ●

CSS ● ● ● ● ●

HTML ● ● ● ● ●

JAVA ● ● ● ● ●

MILESTONE

- Link >_ LeetCode
- Link >_ CodingNinjas
- Solved over 200 DSA questions, helped in building command over algorithms and data structures which helped in understanding the creative problem across a myriad of scenarios.
- Actively participating in various coding contests, enhancing adaptability and resilience in time-sensitive coding environments.
- Hactober-fest 2023 Contributor: Actively engaged in Hactober-fest 2023, contributing substantively to open-source projects. Helped in understanding and to build a strong command on GIT- GITHUB.

EDUCATION

BTECH Computer Science

Galgotias University

2022-2026

Secured 9.67 CGPA in 1st year >_ Report Card