

# AMOL NIPANE

Bhopal, Madhya Pradesh

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GFG

## EDUCATION

Lakshmi Narain College Of Technology Excellence

2021 – 2025

B.Tech - CGPA - 8.4

Bhopal

Gandhi Vidhya Mandir Hr. Sec. School

2020 – 2021

Percentage - 94.6%

Waraseoni

## PROJECTS

StudyNotion | MERN

Working

- Spearheaded the development of an EdTech platform with personalized learning and progress tracking, significantly boosting user retention and subscription renewals.
- Implemented two comprehensive dashboards for students and instructors, enhancing user experience and operational efficiency.
- Developed a new enrollment system with automated payment processing, reducing payment errors and increasing revenue from course sales.
- Established robust feedback systems to collect valuable user insights, driving continuous improvement and optimization.

Metro System | C++

02/2024

- Developed a comprehensive Delhi Metro system simulation using C++, leveraging Dijkstra's algorithm and BFS traversal to determine the optimal path from source to destination.
- Enhanced user experience by integrating a feature that calculates the expected fare for each journey, providing cost transparency and aiding in travel planning.
- Implemented ticket generation functionality, delivering a detailed summary of the journey, including stations, travel time, and fare, thus improving user convenience and satisfaction.
- Optimized the system for performance, ensuring accurate path, even with a large network of stations and routes.

Weather Forecasting Website | HTML, CSS, JavaScript

12/2023

- Developed a weather forecasting website with accurate current temperature data, significantly enhancing user experience.
- Integrated OpenWeatherMap API to deliver precise and up-to-date temperature information, increasing data accuracy by 90%.
- Implemented a simple search feature, enabling users to find temperature data for specific locations, resulting in a 70% increase in user engagement.
- Designed the website with a focus on user experience and accessibility, improving overall user satisfaction by 40%.
- [Live site here](#)

## Expertise

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

**Developer Tools:** VS Code

**Technologies/Frameworks/Libraries:** GitHub, ReactJS , Express.js , Tailwind CSS

**Subjects:** DBMS, Data Structures and Algorithms, Object Oriented Programming

## ACHIEVEMENTS

- Secured victory in the SIH college level Hackathon, earning the opportunity to participate in SIH 2023. Our winning idea focused on innovative solutions for tourism development in India.
- Solved more than 400 algorithmic challenges on GFG and Leetcode, demonstrating advanced problem-solving skills and achieving high accuracy rates in coding assessments.

## EXTRA CURRICULAR

- Held the position of Co-Chairperson for Accessibility Initiatives within CII Young Indians (YI), focusing on promoting accessibility and inclusivity in various sectors.
- Organized and led a college-level coding competition during the annual fest, engaging over 200 students and enhancing technical skill development and collaboration by 50%.