

NIDHI BM

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Crafting digital experiences from the ground up, I specialize in integrating cutting-edge technologies into seamless, scalable solutions. My focus is on transforming complex systems into intuitive applications that balance innovation with functionality.

EDUCATION

BMS COLLEGE OF ENGINEERING

B.E in (Information Science)

2022-2026 | Bengaluru, India GPA: 9.1

JAWHAR NAVODAYA VIDYALAYA HASSAN

Higher Secondary Education
(12th)

2020-2022 | Hassan, India Grade: 87%

PROGRAMMING

LeetCode:

<https://leetcode.com/u/user7766FO/>

SOCIAL LINKS

GitHub:

<https://github.com/coding-geek-nm>

LinkedIn:

<https://www.linkedin.com/in/nidhi-b-m-81a420297/>

SKILLS

PROFICIENT

- C, C++, Java
- DSA, OOPs
- Git, GitHub

FRONT-END TECHNOLOGIES

- HTML 5, CSS3
- Reactjs, UI and UX design
- JavaScript,

BACKEND TECHNOLOGIES

- Postman, REST Api, python
- Nodejs, Express,

DATABASE

- MySQL, MongoDB, firebase

INTERSHIP EXPERIENCE

Web Developer Intern|| No Offense But || Jan-2024 April-2024

- Architected and developed a feature-rich blogging website with the MERN stack, integrating React Quill to enhance content management and user experience.
- Implemented robust user authentication features to significantly improve security and streamline user interactions.

PROJECTS

ICB Website|| [Link](#)

- Developed a secure ICB website featuring login/logout functionality with restricted access for ICB department students and robust security measures to maintain data integrity.
- Implemented admin privileges for PDF file uploads, enhancing content management and operational efficiency.
- Utilized a comprehensive tech stack, including JS, NodeJS, ReactJS, Tailwind, Firebase, Isomnia, and MongoDB, to deliver a seamless and responsive user experience.

Colour Recommendation System || [Link](#)

- **Developed a Color Recognition System** utilizing vector embeddings to represent color features and the K-means clustering algorithm to classify and group colors effectively.
- **Engineered the System** to transform color data into high-dimensional vectors, applying K-means clustering to accurately identify and categorize colors, even in diverse and complex datasets.
- **Implemented a User Interface** for real-time color detection and visualization, enabling intuitive color recognition and classification based on clustering results

Automatic Railway Gate Handler || [Link](#)

- **Developed an Automatic Railway Gate Handler** using an ESP32 Wi-Fi module, ultrasonic sensor, and servo motor for automated gate control based on distance measurements.
- **Created a Mobile App in Java** to interface with the ESP32 via Wi-Fi, allowing remote gate operation and real-time status updates.
- **Implemented Sensor and Motor Integration** to ensure accurate gate positioning and efficient control, with real-time data syncing through Firebase for seamless operation and monitoring.

Chatroom || [Link](#)

- **Built a Real-Time Chatroom** using React and Firebase, enabling users to chat instantly with mail ID authentication for secure access.
- **Integrated Firebase Realtime Database** to manage live message updates and user presence, providing a dynamic and responsive chat environment.
- **User Experience** with real-time notifications and smooth, continuous communication, ensuring reliable and engaging interactions.

CERTIFICATIONS

- Gen AI course from google
- Frontend Development from simplilearn

ACTIVITIES

- I have held the position of web Developer at the Big Foundation, Bmsce's E-Cell.
- Leading the Core Committee of the Augment AI Club at orchestrating AI-related events and initiatives.