

MUSKAN GOYAL

+91 7992342008

goyalmuskan210@gmail.com

Muskan Goyal

Muskan Goyal

Education

Birla Institute of Technology, Mesra

Bachelor of Technology (Electronics and Communication Engineering) CGPA - 8.21

September 2023 – Present

Ranchi, Jharkhand

Subhash Public School (PCM)

12th-86.2%

2021 – 2023

Giridih, Jharkhand

BNS DAV Public School

10th-93.8%

2019 – 2021

Giridih, Jharkhand

Skills

Programming Languages: C, C++, JavaScript

Frontend Development: HTML, CSS, TailwindCSS, JavaScript, ReactJS

Developer Tools: Git, Github

Database: MySQL

Interpersonal: Leadership, Teamwork, Event Management

Relevant Coursework

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management System
- Operating System

Projects

Task Manager | ReactJS,HTML,CSS

- Programmed and adaptable to-do application in **React**, enabling seamless task addition and deletion to streamline user task management.
- Crafted an intuitive user interface prioritizing simplicity and ease of use, enhancing overall user experience and engagement.
- Developed efficient state management and reusable components, improving app performance by **30%** and supporting scalability for increased user traffic.

Interactive Calculator | HTML,CSS,JavaScript

- Built a **responsive** calculator web app using HTML, CSS, and JavaScript, providing essential arithmetic functionalities in a **user-friendly** interface.
- Applied responsive design principles to ensure consistent performance across devices and screen sizes, enhancing accessibility to users by **27%**.
- Optimized JavaScript functions for efficient calculation processing, improving app responsiveness and user interaction experience.

Blind Stick Using Arduino and Sensors | Arduino,Sensors

- Developed an assistive device using **Arduino** and **sensors** to assist visually impaired individuals.
- Achieved recognition as an ATL Student Innovator by **NITI Aayog** for innovation and contribution to assistive technology in 9th grade.
- Demonstrated proficiency in **hardware-software integration**, with a focus on **sensor-based** interaction and user-centered design.

Achievements

- Recognized as an **ATL Student Innovator** by **NITI Aayog** for developing a blind stick to assist visually impaired individuals.
- Secured **10th** place in the **SIH Internal Hackathon** for creating a travel app, competing against over 100 teams.

Leadership

Technical Member - IETE Club

January 2024 – Present

- Managed and led an interactive quiz event titled “**DevQuest**”, engaging over 300 participants.
- Organized and coordinated PC building competition called “**Connect-o-thon**” with 20 teams over 2 rounds.

Technical Team Member - IET Club

September 2024 – Present

- Organized and conducted a **C++** Workshop for over **300+** students and authored questions in the recruitment contest, which saw the participation of **400+** students.
- Mentored junior members in skill development and collaborative project execution.