ARITRA BERA

Netaji Subhash Engineering College, Kolkata (NSEC)

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PROFILE SNAPSHOT

I am an avid learner and user of technology, who enjoys applying my knowledge towards solving real world problems while working in groups and independently. I am committed to working hard to meet any challenges that may lie ahead.

SKILLS

- **Programming Languages**
  - **C++**
  - **Java Script**
  - **React**
  - **HTML**
  - **CSS**
  - Mongo DB
- **Subject Interest**
  - **Data Structures**
  - **OOPS**
  - **DBMS**
  - **Computer Network**
  - **Operating System**

ACHIEVEMENTS

- ***Smart India Hackathon 2023 (Government* of *Kerala).***
  PS Code: **SIH1327**
  Internal *College 3rd Position Team "***CAREIFY".**
  Problem Statement - **Developing a System for Patient Care in the Health Sector.**

- ***Smart India Hackathon 2023 (Government* of *Kerala).***
  PS Code: **SIH1327**
  Finalist' 1st *Runner-up "***CAREIFY".**
  Problem Statement - **Developing a System for Patient Care in the Health Sector.**

HOBBIES

- IOT Projects.
- Computer Programming.
- Photography.
- Playing Guitar

EDUCATION

Netaji Subhash Engineering College (NSEC)
B.Tech. (ECE) - 7.89 CGPA 2021 - 2024

Saroj Mohan Institute of Technology
Diploma (ETCE) - 8.4 OGPA 2018 - 2021

Baishnabchak M.C High School

- Higher Secondary - 60.60 % 2018
- Secondary - 57.71 % 2016

PROJECTS

- **Creating weather app using simple HTML & CSS, and JavaScript.**

  Create a Weather App Using HTML, CSS, and JavaScript Codes. In this Weather app you enter the city's name or countries and its tell weather of that area and we add 1 more function that tell there's Haze or Cloud.

- **Personal Portfolio Website**

  Build & deploy a responsive personal portfolio website design using **HTML CSS** & **JavaScript**. With light and dark theme and includes CSS animations. Developed first with the Mobile First methodology, then for desktop.

- **IOT-based smart health monitoring system**

  To monitor heartbeats and oxygen level in human body, MAX30100 Pulse oximeter sensor is used. This sensor will sense the oxygen level and heartbeats and gives output to Node MCU (esp8266). OLED is connected further for displaying heartbeat per minutes BPM and % oxygen level.

- **Home automation system using Arduino**

  To control and monitor the home appliances remotely can be referred to as home automation. To demonstrate how we can control multiple appliances using the Arduino Uno with wireless technology we have considered two AC powered bulbs as two appliances. We have controlled them using the Bluetooth module (HC-05) by giving it instructions from the application that we created using the MIT app inventor.