Contact

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Address
DD-252,StreetnNo-277, Newtown, Kolkata, 700156

Personal Details

Date Of Birth- 08/11/2003

Gender- Male

Nationality - Indian

Soft Skills

- Effective communicator with strong interpersonal skills.
- Promotes teamwork and achieves collective goals.
- Responsible for onboarding (Joining) process in team.
- Attentive and highly m otivated to details for thoroughness.
- Efficient in situation handling.

Language

- English
- Hindi
- Bengali

Social Media

www.linkedin.com/in/souvik-sahoo-00854927a

https://github.com/Souviksahoo20

https://leetcode.com/u/FeLOz1hLeR/

https://www.hackerrank.com/profile/souviksahoo2003

Souvik Sahoo

I am highly motivated and detail-oriented Computer Science and Engineering student of pre-final year, with a passion for problem-solving and a commitment to providing quality software solutions. Seeking to join IT Companies and use my knowledge and experience to create innovative solutions.

Education

- B.Tech Computer Science and Engineering(IOT) SISTER NIVEDITA UNIVERSITY(3rd year) 6.33 CGPA
- 12th from WBCHSE(2022), Marks 82%
- 10th from WBBSE(2020), Marks 50%

Technical Skills

PROGRAMMING LANGUAGES & TECHNOLOGIES:

- C, C++, JAVA
- DSA with C++ , OOPs with C++, HTML, CSS, JAVASCRIPT , Node Js, React Js
- FRONTEND DEVELOPER

Projects

- **Low-Cost Driver Monitoring System Using Machine Learning**

The existingmethod reliesonlimitedfeatures—eyestateandyawning—for drowsiness detection,
which may miss other indicators like gaze direction or head tilting. The small dataset and single-camera
setup reduce accuracy under varied conditions. To improve the system, we can use larger, more diverse
datasets, integrate additional sensors like infrared or gyroscope and adopt lightweight, more robust deep
learning models for better real-time performance.

- **Built First Air Quality Monitor!**

As part of my hands-on electronics learning journey, I just completed a low-cost Air Quality Monitoring System using:
🔹 Arduino Nano
🔹 MQ135 Gas Sensor
🔹 I2C 16x2 LCD Display
🔹 Custom Code for Real-time Display
📟 It reads analog air quality levels and shows live values on the LCD — useful for detecting pollutants like CO2, NH3, and VOCs.
💡 Features:
✓ Real-time monitoring
✓ Low power and portable
✓ Upgradeable with Bluetooth/Wi-Fi for mobile app integration
✓ Built in under ₹500!
🔬 This project helped me understand embedded systems, sensor interfacing, and real-world problem solving through tech.
Next step? 📲 I'm planning to send this data to a mobile app using Bluetooth (HC-05) and then to the cloud using ESP32!
🧠 Skills Applied: Arduino Programming, Serial Communication, Electronics Prototyping

Certification:

https://drive.google.com/file/d/1l_R9EiLeRcg7TApQO2cPfYJJWDKHxDuG/view?usp=sharing