



Abhiraj Mukherjee

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OBJECTIVE

To secure a challenging position where I can incorporate theoretical knowledge, practical skills, and passion for coding to contribute to developing and implementing projects for the organization.

PROJECTS

Major Project: Industrial Parameter Monitoring System, / Li-Fi, Wireless Sensor Network /

- Developed a robust industrial parameter monitoring system by integrating Li-Fi technology with lasers for high-speed data transmission.
- Generated a real-time data monitoring system, enabling continuous tracking of critical parameters such as temperature, humidity, and pressure.

Mini Project: Driver Drowsiness Detection and Alerting System, / Arduino UNO /

- Implemented an IR sensor to monitor the blinking rate of the driver's eye.
- Used a Piezo-Electric Buzzer to alert the driver.

IoT Based Smart Home Application, / IoT, Firebase Database /

- Developed an IoT based Smart Home Application with a Smart Door Lock.
- Established Cloud IoT using NodeMCU Microcontroller.
- Utilized Firebase and MIT App Inventor for global home appliance control.

Portfolio Website, / HTML, CSS, JavaScript /

- Implemented responsive design to ensure the website accessible on mobiles and other devices.
- Published using GitHub.

TECHNICAL SKILLS

Languages:

Python, SQL, Java, C++, C

Web Development:

HTML, CSS, JavaScript

Technical Knowledge:

OOPS (C++), RDBMS

Developer Tools:

Git/GitHub

EDUCATION

St. Thomas' College of Engineering & Technology, MAKAUT,

Bachelor of Technology in Electronics and Communication Engineering

CGPA - 8.74

2020 – 2024

Kolkata, India

Howrah Vivekananda Institution, WBCHSE, 12th Standard

Percentage - 74.20

2020

Howrah, India

Howrah Vivekananda Institution, WBBSE, 10th Standard

Percentage - 69.57

2017

Howrah, India

TRAINING

NullStack Technologies, Pvt. Ltd.

Completed the Training Programme: "Python - Basics & Beyond" encompassing a span of 3 months.

02/2023 – 04/2023

Kolkata, India

BSNL, NSCBTTC

Completed a two-week vocational training on basic telecom technology at NSCBTTC in Kalyani.

01/2023

Kalyani, India

PUBLICATIONS

Authors: Subhadeep Khan, Abhiraj Mukherjee, Ashmita Mondal, Pratikshita Ghosh and Dr. Prasun Chowdhury

07/2024

"Seamless Home Protection: An IoT-Enhanced Smart Security Solution"

National Conference on Intelligent Systems, IoT, and Wireless Communication for the Society (IIWCS-2024), organized by National Institute of Technology Rourkela (Springer).

(In progress)

Authors: Subhadeep Khan, Abhiraj Mukherjee, Ashmita Mondal and Dr. Prasun Chowdhury

11/2024

"IoT Based Smart Ration Distribution System"

International Journal of Enhanced Research in Science, Technology & Engineering (IJERSTE) (WoS Indexed, UGC-Approved Journal) (Vol. 13 Issue 11, November-2024)

PERSONAL DETAILS

Languages: English, Bengali, Hindi.