

ABHIK CHANDA

Instrumentation Engineer

Diphu, Assam, India
abhikchanda267@gmail.com
+91-6003307973
[LinkedIn Profile](#)

Experience

Indian Oil Corporation Limited, Bongaigaon Internship
15 December 2022 – 05 January 2023

Learned about Industrial Instruments and their Control Systems such as DCS, PLC.

Assam Petro-Chemicals Limited, Namrup Internship
27 July 2022 – 25 August 2022

Learned about instruments used in the chemical plant, focusing on temperature, pressure, flow, and level measurements.

Education

M.Tech in Electronics and Design Technology Ongoing
Tezpur University, Tezpur, Assam

B.Tech in Instrumentation Engineering
Central Institute of Technology, Kokrajhar
July 2019 – July 2023

Academic Projects

IoT-based Water Flow Measurement and Alert System with Cloud Integration

Developed a project to measure sensor data using a microcontroller and transmit it to a cloud server. Included alert features via SMS and buzzer notifications at specific thresholds. Demonstrated skills in integrating hardware and software for automated monitoring systems.

Volatile Gas Sensor Using 2D-2D Heterostructure Ongoing Project

Designing a gas sensor to detect volatile organic compounds such as benzene, toluene, ethylbenzene, and xylene. Synthesized sensing materials with a 3:1 ratio of MoSe₂-WSe₂. Current work includes studying the sensor's cross-responsivity and optimizing material ratios for enhanced sensitivity and selectivity.

Skills

Soft Skills

- Leadership
- Creative Thinking
- Communication
- TeamWork

Technical Skills

- C Programming
- Embedded System
- IOT
- Assembly Programming

Languages

English, Hindi, Assamese, Bengali