

ASHISH JANGIR

ELECTRICAL ENGINEER

CONTACT

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PROFILE

"I am an enthusiastic team player with a strong work ethic, emphasizing collaboration and fostering a positive team dynamic. Possessing a keen ambition to excel, I consistently strive for high standards in all tasks. Known for dedication and adaptability, I am eager to contribute my skills and drive to enhance team success and achieve collective goals."

SKILLS

MATLAB/Simulink
PLC Design
Circuit Design

PROJECTS

Research Analyst

Solar Cell Forecast 2023-2024

- With the help of machine learning models, this project examines the imperative task of forecasting solar cells. In this project, we developed and evaluated predictive models in order to enhance the accuracy of forecasts for solar energy production in the future. The models are trained based on historic solar data and relevant meteorological parameters so they are able to capture the intricate patterns that influence the performance of solar cells.

EDUCATION

Electrical Engineering

**B.K. Birla Institute of
Engineering & Technology,
Pilani**

2021-2025

Gas Leakage Sensor

2022-2023

- This project involves the use of sensors that are capable of detecting the presence of various gases, such as methane, propane, and carbon monoxide. These sensors are connected to a microcontroller, which processes the data collected by the sensors and triggers an alarm when gas leakage is detected. The alarm can be in the form of a sound alarm, visual alarm, or both, depending on the requirements of the project. Additionally, the microcontroller can also be programmed to send notifications to a smartphone or other devices, alerting the user to the gas leakage.

LANGUAGES

English
Hindi

Motion Detector

2023-2024

- In this project, we created a motion-detected sensor using a passive infrared (PIR) and microcontroller. The PIR sensor detects infrared radiation emitted by objects in its field of view and can determine when movement is based on changes in infrared radiation. By connecting the PIR sensor to a microcontroller, such as an Arduino or Raspberry Pi, we programmed the microcontroller to react to motion detected by the sensor. This could include turning on lights, sending a notification to a smartphone, or triggering an alarm.