

SARNAVA DEY

STUDENT

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EDUCATION

ST STEPHEN'S SCHOOL

ICSE X

Percentage: 84.5%

Kolkata, West Bengal
2019

AMRITA VIDYALAYAM

CBSE XII

Percentage: 91.6%

Kolkata, West Bengal
2021

UNIVERSITY OF ENGINEERING & MANAGEMENT

B-TECH ELECTRONICS & COMMUNICATION ENGINEERING (ECE)

CGPA: 8.92

Kolkata, West Bengal
2021 - 2025

PROJECTS

Arduino-Based Automatic Irrigation System

| MINIPROJECT | ARDUINO, Sensor, Relay Module

| February 2023 - April 2023

- This is an Arduino Automatic Farming System Project which automatically checks the soil Moisture and Texture using Sensors also the module has a Humidity and temperature sensor that predicts the environmental conditions around plants and automatically triggers the water pump and gives water to the plant.

Coronary Artery Disease Detection Using Machine Learning

| MINI PROJECT | Python | Machine Learning |

| August 2023 - October 2023

- In this project, we successfully applied machine learning models to predict Coronary Artery Disease (CAD) in patients, with the Decision Tree classifier emerging as the top performer, achieving the highest accuracy, sensitivity, and specificity. These findings underscore the potential of machine learning as a powerful tool in CAD diagnosis, offering a promising, non-invasive alternative to traditional diagnostic methods.

Gas Leakage & Fire Detection Using ESP8266

| HACKATHON | WIFI MODULE | SENSOR | ALARM

| June 2024 - July 2024

- In this project, we build a cost-effective alarm system to detect Industrial gas leakages. This system will provide immediate detection with Audio & Visual (Light & Buzzer), Notification Alerts. After the detection of gases, it will trigger the Buzzer, notify the main device, and specify the room of detection. Now this module will connect the Wi-Fi, trigger the other 4 devices to get paired with each other, and notify the workers or the Individual via Messages along with the high sound Buzzer (Alarm) to detect and resolve the issue.

CORE SKILLS

PROGRAMMING LANGUAGES

Java | DBMS

EXPERIENCE

MATHWORKS | VIRTUAL INTERNSHIPS

ONLINE | July 2023 - Sept 2023

This was a Virtual Internship provided by MATHWORKS where I did 5 different courses on different MATLAB Domain and gained a Certificate for Each which includes

MATLAB Onramp, Image Processing ONRAMP, Deep Learning ONRAMP, Machine Learning ONRAMP, Signal Processing ONRAMP

IBM SKILLBUILD | VIRTUAL INTERNSHIPS

ONLINE | August 2023 - September 2023

This is also a Virtual Internship provided by IBM SKILLBUILD which I found on AICTE's official website. In this Internship, I have done a project on SENTIMENT ANALYSIS OF RESTAURANT REVIEW SYSTEM where a Dataset is given to me and I analyzed it via 3 Different Techniques to check Accuracy, Precision, and Recall techniques including

CERTIFICATIONS

❖ IBM Data Analyst	IBM 12 weeks
❖ NPTEL Analog Circuit	NPTEL 8 weeks
❖ AWS Cloud Practitioner	AWS 4 weeks
❖ Introduction to Microsoft Cloud Azure	Microsoft 4 weeks
❖ AMCAT Certification	
❖ VOIS Tech Internship	AICTE 8 weeks
❖ Virtual Internship on Artificial Intelligence	Edu net Foundation AICTE 6 weeks
❖ CSRBOX Micro-Internship on Data Science	IBM SkillBuild AICTE 4 weeks
❖ INNOFUSION Hackathon Certification	

HOBBIES

- Singing
- Playing Cricket, Football
- Exercise
- Cooking

