

# SANAT KUMAR PATRA

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Profile- [Protfolio](#) | [Github](#) | [Linkdin](#)



## CAREER OBJECTIVES

A Motivated engineering graduate seeking an opportunity to apply technical knowledge, problem-solving, and analytical skills in a professional environment. A quick learner with hands-on experience in IoT, embedded systems, and programming fundamentals. Eager to contribute to organizational success while continuously enhancing skills and expertise.

## TECHNICAL SKILLS

- Programming & Tools:** C (Intermediate), Python (Basic), C++ (Basic), Arduino IDE, Google Colab.
- Robotics & Embedded Systems:** Arduino, ESP32, Raspberry Pi, ROS (Basic), MATLAB (Basic).
- Databases:** MySQL (Basic), Firebase (Basic).
- Core Concepts:** Object-Oriented Programming (OOP), Data Structures & Algorithms.
- Soft Skills:** Time Management, Teamwork, Situational Awareness.

## ACADEMIC PROJECTS

### • Wi-Fi Based Home Automation & Weather Monitoring

Mar 2025

Designed a system using ESP32 for Wi-Fi-based control and real-time temperature/humidity monitoring via web/mobile interfaces.

### • Voice Controlled Wheelchair

Mar 2024

Built a prototype using Arduino and a speech recognition module to provide hands-free mobility for users.

### • Arduino Based Smart Dustbin

Nov 2023

Developed a contactless dustbin using Arduino Uno, ultrasonic sensors, and a servo motor to improve hygiene.

## INDUSTRIAL TRAINING & INTERNSHIPS

- Machine Learning Training** | Indian Institute of Internship Jul 2025 – Aug 2025
- Internet of Things (IoT) Training** | Ardent Computech Pvt. Ltd Jan 2025 – Mar 2025
- Industrial Visit: MSME Tool Room Kolkata** Feb 2024
- Value Added Course: Signal Characteristics (MATLAB)** | Brainware University Feb 2023
- Industrial Visit: BSNL Telecom Training Centre** | Kalyani | Nov 2022

## ACADEMIC QUALIFICATION

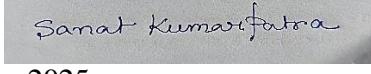
- **Bachelor of Technology in Robotics and Automation** | Brainware University (Autonomous)  
Year of Passing: 2026 | Percentage: 86.88%
- **Higher Secondary (Class XII)** | Nayabasat Parbatimoyee Siksha Niketan (W.B.C.H.S.E)  
Year of Passing: 2022 | Percentage: 82.00%
- **Secondary (Class X)** | Nalbona High School (W.B.B.S.E)  
Year of Passing: 2020 | Percentage: 72.71%

## ADDITIONAL INFORMATION

- **Languages:** Bengali (Native), Hindi (Fluent), English (Basic Working Knowledge).
- **Hobbies:** Watching Movies, Travelling, Playing Cricket, Listening to Music.

## SELF DECLARATION

I hereby affirm that all the information that I have stated are true and correct to best of my knowledge.

SIGNATURE:   
DATE: 24<sup>th</sup> Dec, 2025