SUVENDU BEHERA

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SUMMARY

Electronics and Communication Engineering student with hands-on experience in IoT and embedded systems. Skilled in PCB design, circuit simulation, sensor interfacing, and hardware integration. Seeking an electronics/embedded role to contribute to real-world industry projects.

SKILLS

Hardware Skills : PCB Design and Circuit Simulation,Sensor Interfacing,Raspberry Pi and IoT Hardware Integration.**Tools & Software** : MatLab , CST.

SoftSkills:Technical Documentation,Teamwork,Problem Solving

Projects

Smart Home Automation System

Designed and built a voice-controlled automation system using a Raspberry Pi and a 433MHz RF module, integrating security sensors and appliance relays. The system demonstrated 99.9% reliability and response time on a local network.

Digital Smart Meter

Designed and developed a digital smart energy meter featuring a prepaid billing systemfor efficient energy management.Incorporated over-voltage and under-voltage protection to enhance

system safety and reliability. Implemented electricity theft detection mechanisms to identify

unauthorized power usageand reduce losses.

IoT-Based SmartEnergy Monitoring&Control System

Developed an IoT-based energy monitoring system to track real-time voltage, current, and power consumption.Enabled remote monitoring and control through a cloud dashboard to improve energy efficiency.

EDUCATION

2022-2026	Bachelor's Degree at BPUT	(CGPA: 8.4/10)
2020-2022	Class 12th CHSE Board	(82.33%)
2019-2020	Class 10th BSE Board	(73.83%)

Work Experience

Internship
July,2025

Completed an IoT internship at OCAC Training Institute, gaining hands-on experience in sensor integra tion, data communication, and embedded systems. Developed and tested IoT- based applications using Microcontrollers and cloud connectivity.

Internship
jun,2024

Completed an internship at BSNL focused on Optical Fiber Communication, gaining practical knowl edge of fiber splicing, network maintenance, and signal transmission technique

CAREER OBJECTIVE

Electronics and Communication Engineering student with strong fundamentals in analog and digital electronics, embedded systems, and circuit design. Seeking an electronics/embedded internship rol to apply practical skills in circuit prototyping, testing, and real-world industry projects.