

SONATAN DUTTA

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M-tech in Computer Science and Engineering and B-Tech in Electronics & Communication Engineering, Seeking Assignments in Electronics and Computer Science and Engineering with a growth Oriented Organization.

PROFESSIONAL EXPERIENCES

Organization:- Dr . B.C. Roy Engineering College, Durgapur.

Position:- Technical Assistant

Duration: - From 12th July 2013 to till Now.

Organization:- NSHM KNOWLEDGE CAMPUS, Durgapur.

Position:- Junior Technical Assistant

Duration:- From 17th December 2012 to 11th July 2013.

Organization: Central Mechanical Engineering Research Institute (CSIR -CMERI), Durgapur.

Position:- Project Assistant(Level-I)

Duration:- 2 Years 6 Month (16th march 2010 to 30th Sept. 2012)

PUBLICATION

1. IEEE Conference Paper

S. Dutta, J. Patra, M. Chakraborty, S. Gupta, P. Pramanik and S. Roy, "Enhancing Air Quality Predictions with Proximal Policy Optimization and Reinforcement Learning," *2025 International Conference on Computing, Intelligence, and Application (CIACON)*, Durgapur, India, 2025, pp. 1-6, doi: 10.1109/CIACON65473.2025.11189298.

2. Conference Paper (Presented; publication pending)

Agro Health Connect: Protocol for a Cluster Randomized Controlled Trial of an Integrated IoT - NLP System for Holistic Farmer Wellbeing in Rural India

Authors: Sayantan Chandra, Saikat Chatterjee, Pijush Kanti Ghosh, **Sonatan Dutta**

ACADEMIC CREDENTIALS

Examination	Discipline/ Specification	University/ Board	Year of passing	Percentage
M-Tech	Computer Science and Engineering	MAKAUT	2026	80.26
B - Tech .	Electronics and Communication Engineering	MAKAUT	2024	73.5
Diploma in Engineering	Electronics & Telecommunicatio n Engineering	W.B.S.C.T.E	2009	81.00
Higher Secondary (10+2)	Science(Physics, Chemistry, Math.), common subjects	W.B.C.H.S.E	2003	57.50
Secondary School Certification	Common Subjects	W.B.B.S.E	2001	70.87

PROJECT-Cum-HANDS ON EXPERIENCES

Organization: Central Mechanical Engineering Research Institute (CMERI), Durgapur

Mentor: Prof. S.N. Shome, Head, Robotics & Automation Department, CSIR-CMERI.

Project: 1. The Development of a Autonomous Under Water Vehicle (AUV-150)

The project was aimed at Sea bed Mapping.

Project: 2. Design and Development of a mobile Robotics System for visual inspection (SIP 24/4)

Project Title: 1.The Development of a Autonomous Under Water Vehicle (AUV-150).

2. Design and Development of a mobile Robotics System for visual inspection.

Responsibility:

- Interfacing microcontroller (89C51) with Voltage Sensors(LV 25-P).
- Design and development of battery management system (BMS) using Voltage Sensors (LV 25-P).
- Interfacing microcontroller (89C51) with IR Sensors.
- Interfacing Sensors Pay load and Navigation Sensors with SBC.
- Electrical harnessing.
- Design of a Relay driver Circuit for handling Motor Break and Laser Range Finder (LRF) to reduce Power consumption.

TECHNICAL SKILLSET

Major Coursework:

- ☒ Programming Language C , SQL, PYTHON
- ☒ Analog Circuit
- ☒ Digital Integrated Circuits.
- ☒ Microcontrollers (AT89C51).

PERSONAL DETAILS

Date of Birth:- 3rd April 1985
Address:- Vill+P.O.-Paschim Gopinathpur,
P.S.- Haripal,
Dist.- Hooghly,
Pin.-712403,
West Bengal, India

Languages Known:- Bengali, English & Hindi.

DECLARATON

I hereby declare that the information described above is true to the best of my knowledge and belief.

Place:- Durgapur
Date:- 03/08/2026

Sonatan Dutta

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(Sonatan Dutta)