

Swagata Datta

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PROFESSIONAL SUMMARY

NIT Agartala BTech'25 EE — NIT Agartala MTech'27 Power System Specialisation — IIT Madras BS Data Science and Application'26 — Guest Faculty-Techno College of Engineering (EE Department) — In Top 3 in the department in MTech — MTech Scholar — Selected as GET Reliance Industries'25 — Selected as SDE Intern Amazon'25 — Selected as SWE GlobalLogic'25 — AAI ATC JE'25 — GATE EE'24 25 26 — GATE DA'25 — BTech Passed with First Class and Distinction — MATLAB and NI Labview Experienced.

EDUCATION

Masters in Technology (Electrical Engineering) National Institute of Technology Agartala	2025 - 2027 Grade: 8.88/10.0
Bachelor of Technology (Electrical Engineering) National Institute of Technology, Agartala	2021 - 2025 Grade: 8.52/10.0
Intermediate (Class XII) Sri Krishna Mission	2020 - 2021 Grade: 94.4%
Matriculation (Class X) Sri Krishna Mission	2010 - 2019 Grade: 93.4%

INTERNSHIPS

Summer Trainee Intern AAI It was my Summer Internship. Topic of Internship was the overall Electrical System in Airport.	May 2024 - June 2024 <i>Agartala</i>
Summer Trainee Intern GAIL It is also a Summer Internship. Topic of Internship was Oil Distribution and making Electricity and other from it.	May 2024 - June 2024 <i>Agartala</i>
Winter Trainee Intern TSECL It was on the Topic of Power Distribution and Transmission through Grids.	January 2024 - February 2024 <i>Agartala</i>
Winter Trainee Intern Comfort Design It was a Remote Internship. Topic of Internship was HVAC System.	January 2024 - January 2024 <i>Agartala</i>
Winter Trainee Intern BSNL It was a Winter Internship. Topic of Internship was NGN, Networks, Fibres and Communication related fields.	December 2023 - January 2024 <i>Agartala</i>
Winter Trainee Intern NEEPCO It was my Winter Internship. The topic was Power Generation and Distribution.	November 2023 - December 2023 <i>Agartala</i>
Summer Trainee Intern ONGC It was my first Summer Internship. The topic was Drilling Services.	May 2023 - July 2023 <i>Agartala</i>

PROJECTS

Optimizing Battery Management System Parameters Using Genetic Algorithm and Kalman Filter (Final Year Project) (Demo) It was our Final Year Project which is around the Battery Concept of EVs. Published IEEE Paper in 2026.	October 2024
Project Report on Pipelining and Cathodic Protection (Demo) It is the Project Report based on the Internship at GAIL.	May 2024
Project Report on AAI Internship (Demo) It is my AAI Internship Project Report on Various Aspects of Airport.	May 2024
IOCL Sustainability Hackathon Executive Round Summary on Digitalisation for Sustainability (Demo) It was the Group Project Report for the Quarter Finals for IOCL Sustainability Hackathon.	April 2024
Project Report On Fibres and Communication System (Demo) It was the Project Report during the Internship at BSNL.	February 2024
Project Report On Power Distribution and Transmission (Demo) It was the Project Report done during the Internship on Power Distribution and Transmission.	January 2024
Project Report on Power Generation (Demo) It was the Project Report on the Winter Internship at NEEPCO on Power Generation.	November 2023
A Group Report on Converters (Zeta and Dual) (Demo) It was a group report in the topic of Converters in the Subject of Power Electronics.	November 2023
Project Report on Automatic Street Light Controller using LDR (Demo) It was our first group Mini Project on the Subject of Power Electronics.	November 2023
Baramura Industrial Visit Project Report (Demo) It was the Baramura Gas Based Power Plant Industrial visit Project Report.	August 2023
Project Report on Drilling Services (Demo) It was the Summer Internship Project Report on Drilling Services.	May 2023
Anderson Bridge	November 2022

It was our first Group Mini Project on the Subject of Measurement and Measuring Instruments.

CERTIFICATIONS

AAI ATC JE'25 Score Card AAI ([Link](#))

July 2025

Scored - 6/10 in General Knowledge.

Scored - 5/15 in General Intelligence.

Scored - 10/15 in General Aptitude.

Scored - 14/20 in English.

Scored - 38/60 in Domain Specialisation.

PepsiCo SHE Sales PepsiCo India ([Link](#))

April 2024

It was a Workshop on Sales and was given an Assignment.

In Top 1000 Women.

GATE Score Card 2025 IIT Roorkee ([Link](#))

March 2024

AIR: 17748 out of 67701.

Score: 17.33/100.

GATE Score: 259/1000.

GATE 2024 Score Card IISC Bangalore ([Link](#))

March 2024

It is my GATE 2024 Score Card.

Scored 21.67/100 with AIR 12834 out of 59599.

Scored 15/15 in General Aptitude.

Nestle E-Learning on Sustainability Development Nestle ([Link](#))

December 2023

It was an Online Quiz on Sustainability Development.

GRE and TOEFL Olympiad Galvanize Global Learning ([Link](#))

October 2023

It was an online Olympiad in the pattern of GRE.

Score was 345/360.

MATLAB onRamp Certification MathWorks ([Link](#))

July 2023

It was an online training on Basics of MATLAB.

Foundational Level of BS in Data Science and Application IIT Madras ([Link](#))

May 2023

I have completed my Foundational Level in 5 Terms with 8 Subjects. English 1 and 2 Mathematics 1 and 2 Statistics 1 and 2

Computational Thinking

Introduction to Python Programming.

Solve with Aurdino IIT Madras Paradox ([Link](#))

September 2022

It was a Hackathon.

Pass Certificate NIT Agartala ([Link](#))

December 2021

My Btech Pass Certificate.

SKILLS

Soft Skill: Communication Skills, Critical Thinking, Interpersonal communication, Leadership, People skills, Presentation Skills, Public speaking, Research, Responsibility, Team Building, Teamwork, Time management, Verbal/nonverbal communication, Written communication

Databases & Data Tools: Excel, Spreadsheet

Cloud & DevOps: Windows

Frameworks & Libraries: Microsoft Office

EXTRA-CURRICULAR ACTIVITIES

I am the Auxiliary Core Member of the Literary Club, NIT, Agartala.

Mentor at Topmate for Core and GATE Related Domains.

Mentored 50+ Students.

Core Member of IIT Madras Mathematics and Statistics Society.