

Jaita Saha

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PROFILE

DOB.: 23rd May 2001

Final-year Mechanical Engineering student with hands-on experience in foundry operations, production processes, and supply chain activities. Skilled in casting, moulding, furnace operations, 5S, FIFO, KANBAN, and PVSM, with practical exposure to shop-floor manufacturing and process improvement. Strong problem-solving mindset with readiness for core manufacturing roles.

EXPERIENCE

GTU-AIA Engineering Skill Development – Internship – 16 Weeks

Mehsana, IN
January 2026 – Present

- Hands-on experience in casting, moulding, and furnace operations.
- Implemented 5S practices to improve shop-floor safety and efficiency.
- Managed inventory control activities and supported material tracking.

TRIO – The HVAC Company – Summer Internship – 4 Weeks

Ahmedabad, IN
June 2025

- Worked with architects, interior designers, and MEP consultants on projects.
- Assisted in preparing costing, BOQs, and quotations.
- Learned HVAC installation process and core concepts of heating, ventilation, and refrigeration.

Community Street Art – NGO - Part-Time

Ahmedabad, IN

Community Management:

June – December 2024

- Coordinated wall-painting and art workshops with AMC approval at Gov. schools and public spaces.
- Applied creativity and teamwork, collaborating with CEPT students and alumni.
- Enhanced communication skills through community engagement projects.

SKF Engineering and Lubrication India Private Limited - Apprenticeship

Ahmedabad, IN

Supply Chain:

August – April 2023

- Coordinated logistics and supplier management using KANBAN systems and PVSM practices.
- Managed inventory control and warehouse operations for better stock utilization.
- Utilized ERP systems (e.g., SEP) for demand forecasting and planning.
- Improved forecasting and supply chain efficiency through EVSM principles.
- Engaged in preventive maintenance and cost-saving initiatives within supply operations.

Production:

May – July 2022

- Assisted in optimizing production processes, including FIFO improvements and channel efficiency.
- Contributed to grinding wheel optimization and Lean initiatives to enhance reliability and cost efficiency.
- Supported OEE monitoring and downtime reduction efforts.

Royal Enfield Centre of Excellence - Internship – 2 Weeks

Ahmedabad, IN

- Acquired hands-on knowledge of bike components through assembly, disassembly, and servicing.
- Performed maintenance and tuning, including oil changes, brake adjustments, and performance checks.
- Assisted in customization and diagnostics, ensuring safety and reliability.

PROJECT And CERTIFICATES

Final Semester Degree Project— *Krushī Samriddhi (Smart Agriculture System)* | 2025

- Developed an automated irrigation and crop protection system using Arduino UNO, soil moisture sensor, motion sensor, relay, and water pump.
- Implemented Embedded C control logic for real-time moisture-based irrigation and intrusion alerts via buzzer/LED.
- Built and tested a battery-powered prototype, improving system reliability and operational efficiency.

MasterCAM | 2024

- Machine Designing
- Machine Software Stimulation

Final Semester Diploma Project — *Foot Step power Generation* | 2022

- Developed a sustainable energy system using a flywheel, chain belt, and rack-and-pinion mechanism for efficient power transmission.
- Designed a manual stepping mechanism to generate electricity, showcasing renewable energy applications.
- Conducted testing and optimization of components to improve efficiency and reliability.

National Cadet Cop (NCC) — *A Certificate* | 2014 - 2015

- Trained in drills, shooting, and field exercises during NCC certification.
- Developed leadership, discipline, and teamwork through military-style training.

Intermediate Drawing Examination | 2018

- State level Examination

CORE COMPITANCE

- Interpersonal skills
- Computational skills
- Basic Software skills
- Analytical skills
- Six sigma (Intermediate)
- MasterCAM
- Social Media
- Inventory Control

EDUCATION

Gandhinagar University

Gandhinagar Institute of Technology

Bachelor in Engineering, Mechanical Engineering; Sem – 7th (7.56 SGPA)

Gandhinagar, IN

June 2023 – Present

R. C. Technical Institute

Diploma in Engineering, Mechanical Engineering; Grade: 8.2 (Max: 10, Min: 5)

Ahmedabad, IN

July 2019 - May 2023

Indo German Tool Room

Master Certificate Course in Mechatronics

- PLC
- SCADA
- Hydraulics and Numatics

Ahmedabad, IN

August 2022 - March 2023

The Cohesion IIT

Diploma in Computer Software Engineering

Ahmedabad, IN

Feb 2020 – Feb 2021

LANGUAGES

- English *Level - C2*
- Hindi *Level - B2*
- Bengali *Level – B1*
- Gujarati *Level – B1*