

SUBHAM KUMAR SINGH

B.Tech Mechanical Engineering(3rd Year) | Internship Candidate | Quality & Automation Enthusiast

☐ btech15381.23@bitmesra.ac.in ☐ +91 9128608609 ☐ Jamshedpur, Jharkhand 832108

☐ AVAILABLE FOR SUMMER INTERNSHIP • June – July 2026 • Quality / Mechatronics / Automation / Robotics • Jmshedpur & Nearby

INTERNSHIP OBJECTIVE

B.Tech Mechanical Engineering student (3rd year, BIT Mesra) with ~2 years of prior industry experience at Tata Cummins Pvt. Ltd. in Quality Control, PDI Inspection, BOM Audit, and ISO 9001-compliant manufacturing. Seeking a Summer Internship (June–July 2026) in Quality Engineering, Automation, Mechatronics, or Robotics to apply academic knowledge to real-world industrial challenges and contribute meaningfully to the host organization.

WHY I STAND OUT AS AN INTERN

☐ Industry Experience Before Degree

~2 years at Tata Cummins — not a fresher. I know shop-floor reality.

☐ Certified in Quality Control

IQC Certification from Tata Cummins — formal credential, not just exposure.

☐ Robotics & Prototyping

Built a working robotic car prototype; presented at BIT Mesra Research Colloquium 2026.

☐ Drone & Emerging Tech Exposure

Drone Technology Workshop (RDT, BIT Mesra 2025) + ISRO Hackathon participant.

INTERNSHIP AREAS OF INTEREST

✓ Quality Engineering / QC

✓ Manufacturing / Production

✓ Automation & PLC Systems

✓ Robotics & Control Systems

✓ Mechatronics / Embedded Systems

✓ R&D / Research Labs (CSIR/NIT)

INDUSTRY EXPERIENCE (Pre-Degree)

Tata Cummins Pvt. Ltd. — Quality Department, Jamshedpur

BOAT Trainee

Aug 2023 – Jun 2024 | ~12 Months

STT Trainee

Aug 2022 – Jul 2023 | ~12 Months

Key Contributions:

- Predispatch Inspection (PDI) — ensured zero-defect dispatch to Tata Motors Limited (TML).
- BOM Audit Level 11 — verified Bill of Materials accuracy at component level in automotive assembly lines.
- Gauge & Tool Calibration — maintained measurement traceability within ISO 9001 quality framework.
- Defect investigation & root cause analysis — investigated online-reported issues and prepared corrective action reports.
- FTOK Improvement Project — reduced First Time OK defect recurrence across assigned production lines.
- BIS team support at customer end (TML) — incoming quality assurance and inspection compliance.
- Tools used: CONCERTO, Maximo, Oracle Application, AutoCAD, MS Office.

EDUCATION

Qualification	Institution	Year	Score	Status
B.Tech – Mechanical	Birla Institute of Technology, Mesra (Patna Campus)	2023–2027	Ongoing	3rd Year ✓
IQC – Inspection & QC	Tata Cummins Pvt. Ltd., Jamshedpur	2022–2024	—	Certified
Diploma – Mechatronics	Tool Room & Training Centre, Patna	2019–2022	75%	Completed
Matriculation (10th)	Kerala Public School Kadma, Jamshedpur	2019	60%	Completed

TECHNICAL SKILLS

Quality & Inspection: PDI Inspection, BOM Audit, Gauge Calibration, ISO 9001 QMS, FTOK Analysis, Basic Metrology

Software & Tools: AutoCAD, ADCA, MS Office, CONCERTO, Maximo, Oracle Application

Machines: Lathe, Milling, Grinding (Conventional) | EDM & WIRE EDM (Non-Conventional)

Automation / PLC: Logix Pro — PLC programming languages and program design

Robotics: Robotic car prototyping, control systems, embedded systems integration

PROJECTS, CERTIFICATIONS & WORKSHOPS

- Research Colloquium – BIT Mesra Patna Campus (2026): Designed & built a robotic car prototype; authored and presented a technical paper on design, control systems, and functionality.
- Drone Technology Workshop – Centre of Excellence (RDT), BIT Mesra (2025): 2-day intensive covering drone fundamentals, flight mechanics, and practical exposure.
- Bharatiya Antariksh Hackathon – ISRO Initiative (2025): Certificate of Acknowledgement for Idea Submission.
- IQC Certification – Inspection and Quality Control | Tata Cummins Pvt. Ltd. (2022–2024).

PERSONAL DETAILS

Date of Birth: 11 December 2002 (Age: 23)

Father's Name: Sachendra Kumar Singh

Languages: Hindi, English, French

Nationality: Indian

Availability: May – July 2026 (Full-time)

Interests: Cricket, Robotics, Drone Technology

DECLARATION: I hereby declare that all the particulars furnished above are true and correct to the best of my knowledge and belief.