



Saurav Kumar

Roll No.: BTECH/10534/22

Production and Industrial Engineering

Birla Institute Of Technology, Mesra , Ranchi

Saurav8298902642singh@gmail.com

+91-9234402949

LinkedIn Profile

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Birla Institute Of Technology , Mesra, Ranchi	6.89 (Current)	2026
Senior Secondary	L.S College , Muzaffarpur	81.00%	2021
Secondary	St. Joseph's Sr. Sec. School , Muzaffarpur	89.6%	2019

INTERNSHIP

- Vocational Training** *June -July 2025*
NTPC Sipat
 - Understood the flow of raw materials (coal) to output (power + byproducts like fly ash), similar to supply chain transformation cycles. managed.
 - Studied High Concentration Slurry Disposal (HCSD) system for ash handling → learned how technology improves material movement, cost reduction, and sustainability.
 - Learned how byproducts (fly ash, bottom ash) are recycled into useful products (bricks, aggregates) → practical exposure to circular economy in supply chains.

PROJECTS

- Supply Chain Performance Optimization using ADR Methodology** *July 2025-Present*
Group Project
 - Applied Action Design Research (ADR) to iteratively design and improve a real-time performance monitoring system for supply chain operations.
 - Focusing on identifying and tracking key supply chain KPIs such as lead time, order fulfillment, and inventory levels.
 - Collaborated in a team to test solutions with case examples and suggest improvements for faster decision-making.
- High Concentration Slurry Disposal System** *June - July 2025*
Group Project
 - Contributed to understanding of modern ash management (HCSD) that reduces water use by 60–70 percent compared to traditional wet slurry disposal.
 - Observed safety practices in ash dykes – compartmental filling, leak detection, and vegetation cover to prevent soil/groundwater pollution.
 - Identified common operational challenges (pump load, pipeline choking) and explored preventive steps for smoother plant operation.

TECHNICAL SKILLS

- Programming Languages** : C++
- Database Management**: MySQL
- Coursework**: Supply chain and Logistics Management, Production and Operation Management, Quality Control Management, Lean Manufacturing and Six Sigma
- Miscellaneous**: Material Science, Strength Of Material

SOFT SKILLS

- Communication
- Analytical Skills
- Adaptability, Team management , Problem Solving, critical thinking

ACHIEVEMENTS

- Solved 300+ problems across various platforms like LeetCode, Hackerrank, gfg.,
- Ranked in the top 7 percent in JEE Mains Examination,