



# Saurav Kumar

Roll No.: BTECH/10534/22

Production and Industrial Engineering

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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,