



# 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	7.03 (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*
  - Studied ash handling systems at NTPC Sipat (2980 MW plant) and learned how fly ash and bottom ash are safely managed.
  - Studied High Concentration Slurry Disposal (HCSD) system for ash handling → learned how technology improves material movement, cost reduction, and sustainability.
  - Understood the boiler explosion case at NTPC Unchahar (2017) and how proper ash handling and safety checks can prevent such accidents.

## 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*  
*Personal 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, Material Science
- Miscellaneous**: Excel

## 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,
- Qualified NDA written exam and appeared for SSB interview at NSB Visakhapatnam,