

# RISHI RAJ

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## EDUCATION

Bachelor of Technology - Mechanical Engineering	Ranchi, Jharkhand
Birla Institute of Technology, Mesra   CGPA: <b>8.42</b> / 10.0	2021 - Present
Class 12 (Intermediate)	Jamshedpur, Jharkhand
D.A.V. Public School   Percentage: <b>90.0</b> / 100	2018 - 2020
Class 10 (Matriculation)	Jamshedpur, Jharkhand
Tarapore School   Percentage: <b>87.0</b> / 100	2005 - 2018

## SKILLS

**Technical Skills:** C++ • JAVA • Python • MS-Excel • Power BI • MySQL • PostgreSQL • Machine Learning • Project Management • Supply Chain Management

**Soft Skills:** Communication • Problem-Solving • Analytical Thinking • Critical Thinking • Business Acumen • Decision-Making • Data Analysis • Adaptability

## EXPERIENCE

Tata Steel	Jamshedpur, Jharkhand
Associate Intern	05/2024 - 07/2024
<b>Key Skills:</b> Applied problem-solving expertise to analyse and give recommended solutions to optimize the reliability of braking pinch roll assembly.	
• Conducted detailed analysis of braking pinch roll assembly failures, identifying root causes by implementing corrective measures to improve reliability.	
• Improved reliability of braking pinch roll assemblies, aimed to minimize downtime, extend equipment lifespan, and improve mill operational efficiency.	
• Spearheaded the redesign, recommended material enhancements and surface hardening techniques, extending the lifespan of pinch rolls by 20-30%.	
• Achieved significant cost savings and elevated product quality through precise braking, ensuring flawless material alignment and minimal defects.	

## PROJECTS

**Loan Approval Status Prediction Using and Creating Machine Learning Model with Applicant and Financial Insights.**

- Key Skills:** Demonstrated expertise in Python, Power BI, SQL, and machine learning, with data visualization techniques to present insights.
- Implemented multiple machine learning classification models and conducted performance evaluation to select the most accurate approach, showcasing robust analytical thinking expertise.
  - Enhanced decision-making processes for loan approvals, contributing a deployable solution that can streamline financial evaluations.
  - Developed a user-friendly GUI application to streamline the loan approval process and interactive dashboards to provide real-time insights.

**Comprehensive Business Data Analysis for John's Company Sales Analysis.**

- Key Skills:** Applied Problem-Solving, Analytical Thinking, and Data Visualization with proficiency in MS Excel, SQL, and Power BI.
- Conducted comprehensive business data analysis in MS-Excel to evaluate key performance metrics and visualize trends.
  - Leveraged a strong foundation in data analytics and business intelligence to deliver impactful solutions as part of my analytical discipline.
  - Created visually appealing and informative data visualizations and developed interactive dashboards using Power BI to provide real-time insights.

**Supply Chain Performance Streamlined Operations and Network Optimizations.**

- Key Skills:** Supply Chain Management, Problem Solving, Power BI to tackle shipment delays, optimize inventory, and strengthen supplier relationships.
- Conducted a comprehensive analysis of supply chain inefficiencies, focusing on business downturn, inventory management, and supplier networks.
  - Enhanced abilities in business acumen, supply chain analysis, and data-driven decision-making, with a strengthened capability to address complex supply chain management principles and business analytics challenges through analytical and technical approaches.
  - Achieved a 20% reduction in shipment delays and a 15% improvement in inventory efficiency, significantly enhancing overall supply chain performance.

## POSITION OF RESPONSIBILITY




Aerospace Society, BIT MESRA  
Management Head

- Responsible for the completion of organizations projects and events.
- Successfully conducted the Drone -Techs (Drone Racing) competition during the techfest organized in BIT Mesra.

CAD LAB, BIT MESRA  
Workshop Organizer

- Organized different workshops (e.g. AutoCAD, SOLIDWORKS, CFD, ANSYS) workshops in the CAD Lab.
- Responsible for delivering lectures to all 1st and 2nd year students who participated in the workshops.

## EXTRA CURRICULAR ACTIVITIES & HOBBIES

-  Watching and Playing Cricket
-  Playing 52-Deck Cards & Pool Game
-  Playing Airsoft Gun Shooting