

RISHI RAJ

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EDUCATION

Birla Institute of Technology, Mesra	Ranchi, Jharkhand
Bachelor of Technology - Mechanical Engineering CGPA: 8.54 / 10.0	2021 - 2025
Class 12 (Intermediate)	Jamshedpur, Jharkhand
D.A.V. Public School Percentage: 90.0 / 100	2018 - 2020
Class 10 (Matriculation)	Jamshedpur, Jharkhand
Tarapore School Percentage: 87.0 / 100	2005 - 2018

SKILLS

Technical Skills: C++, JAVA, Python, R, MS-Excel, MS-Power BI, SQL, Machine Learning, Project Management, Supply Chain Management
Soft Skills: Communication, Problem-Solving, Analytical Thinking, Critical Thinking, Teamwork, Curiosity, Adaptability, Decision-Making

EXPERIENCE

Tata Steel	Jamshedpur, Jharkhand
Associate Intern	May 2024 - Jun 2024
Key Skills: Applied problem-solving expertise to analyse and give recommended solutions to optimize the reliability of braking pinch roll assembly.	
<ul style="list-style-type: none">Conducted detailed analysis of braking pinch roll assembly failures, identifying root causes by implementing corrective measures to improve reliability.Spearheaded the redesign, recommended material enhancements, aimed to minimize downtime by 10%, and extended pinch roll lifespan 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
Key Skills: Demonstrated expertise in Python, Power BI, machine learning, financial analysis, and forecasting with data visualization techniques to present insights.
<ul style="list-style-type: none">Implemented and evaluated multiple machines learning models, improving accuracy from 77.76% to 80.66% using Random Forest Classifier after hyperparameter tuning, outperforming Logistic Regression (80.48%).Improved loan approval decision-making processes, achieved 80.66% accuracy to streamline financial evaluations and increase workflow efficiency.Developed a user-friendly GUI application to streamline the loan approval process and interactive dashboards to provide real-time insights.
Business Analysis of Sales Data
Key Skills: Applied Problem-Solving, Analytical Thinking, Financial Analysis, Data Analysis, and Data Visualization with proficiency in MS Excel, SQL, and Power BI.
<ul style="list-style-type: none">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 to provide real-time insights.
Operations and Network Optimizations
Key Skills: Supply Chain Management, Problem Solving, Power BI to tackle shipment delays, optimize inventory, and strengthen supplier relationships.
<ul style="list-style-type: none">Conducted a comprehensive analysis of supply chain inefficiencies, focusing on business downturn, inventory management, and supplier networks.Enhanced business acumen, supply chain analysis, and data-driven decision-making abilities, 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
<ul style="list-style-type: none">Responsible for the completion of organization projects and events.Successfully organized the Drone-Techs (Drone Racing) competition during the Techfest at BIT Mesra.
CAD LAB, BIT MESRA
Workshop Organizer
<ul style="list-style-type: none">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.

EXTRACURRICULAR ACTIVITIES & HOBBIES

<ul style="list-style-type: none">Watching & Playing Cricket	<ul style="list-style-type: none">Playing 52-Deck Cards & Pool Game	<ul style="list-style-type: none">Airsoft Gun Shooting
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