RISHI RAI

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EDUCATION

Bachelor of Technology - Mechanical Engineering

Birla Institute of Technology, Mesra | CGPA: **8.42** / 10.0

Ranchi, Jharkhand 2021 - Present

Class 12 (Intermediate)

Jamshedpur, Jharkhand

D.A.V. Public School | Percentage: 90.0 / 100

Class 10 (Matriculation) Tarapore School | Percentage: 87.0 / 100

Jamshedpur, Jharkhand

2005 - 2018

2018 - 2020

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 Associate Intern Jamshedpur, Jharkhand 05/2024 - 07/2024

Key Skills: 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

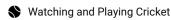
- · Responsible for the completion of organizations projects and events.
- · Successfully conducted the Drone -Techs (Drone Racing) competition during the techfest organized in BIT Mesra.

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



Playing 52-Deck Cards & Pool Game

Playing Airsoft Gun Shooting