**RISHI RAJ**

+91-6201377120 | [akrishiraj786@gmail.com](mailto:akrishiraj786@gmail.com) | Jamshedpur, Jharkhand

|  |
| --- |
| 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.

* 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.

* 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.

* 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.

* 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

* 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

* 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 |

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