Arindam (Aaron) Baruah

1/41 Stockdale Ave,
Clayton, Melbourne, Australia
PIN: 3168

+61431671893
abar0090@student.monash.edu
linkedin.com/in/arindam-baruah

KEY COMPETENCIES

- Two years of experience as technical data analyst in the steel manufacturing industry providing key insights through tools such as Python, MS Excel, and MS PowerBI.
- Proficient at knowledge of manufacturing industry, product quality control, outlier analysis, operations management, and process monitoring study.
- Efficient team player with analytical, technical, project management and presentation skills.
- Well versed in working and promoting a dynamic, creative, agile and a collaborative work environment.

CAREER HIGHLIGHTS

Business Analyst   **2023**
Global Victoria Intellect Consulting Program, Practera

Skills : Statistical Data Analysis, Team Work, Project Management, Report Writing, Research, Data Visualization, Communication Skills, Conflict Management.

- Nominated as one of the selected Business Analysts by Monash University to work in a peer group, comprising of members across the universities in Victoria.
- Led the team as a deputy team leader to perform a detailed market research analysis of Malaysia for our client, Delta-V experts.
- Organised regular stand-up meetings to take stock of current work progress as well as delegated tasks to all the team members.
- Maintained a stakeholder communication management plan and effectively organized the project schedule to complete the delegated tasks in specific sprints.
- Conducted data driven secondary research for the given problem statement which indicated the possible opportunities for the client in the Malaysian market.
- As part of the team, communicated a mix of strengths, opportunities and weaknesses for the client to consider and add on to their personal research before taking an informed decision to enter the Malaysian market.

Technical data analyst   **2021-2023**
ArcelorMittal Nippon Steel India

Skills : Data Analysis, MS Office, Data Visualisation, Python, Customer Relations, Team Work, MS PowerBI, Communication Skills, Root Cause Analysis, Conflict Management.

- Performed data-driven time and motion-based study to reduce downtime of the production unit resulting in potential annual cost savings of 1.8 million dollar.
- Cooperated with multiple departments and team leaders to provide sample data analysis and draw conclusions through intuitive visualisations.
- Created a process monitoring dashboard on PowerBI for quick anomaly detection, which allowed for regular corrective and preventive actions to be taken on short notice and further reduced data cleaning operation duration from 1 hour to 20 minutes.
- Compiled, maintained and visualised data containing critical sustainability indicators for studying the effect of the manufacturing plant on the environment.
- Worked closely with R&D, Quality control and Automation department for resolving process and product defects through data driven studies.
- Performed root cause analysis and suggested corrective actions for major product defects.
- Conducted technical and software-based trainings for shop floor operators.
- Implemented various statistical quality control techniques, such as control charts, to study and monitor the current process deviations before and after any significant process alteration through sample analysis.
- Involved in investigation of customer or downstream complaints and suggesting corrective actions to prevent recurrence of similar complaints.

EDUCATION

Master of Business Analytics (GPA:3.85/4)   **Completion: 2024**
Monash University, Australia

Skills : R programming, Report Writing, Data Visualisation, Communication Skills, Team Work, Volunteering, Machine Learning, Project Management.

Master of Technology (GPA: 9.42/10)   **2021**
Indian Institute of Technology, Indore
- *Metallurgy Engineering*

Bachelor of Technology (GPA: 7.87/10)   **2018**
Manipal Institute of Technology, Karnataka
- *Mechanical Engineering*

Certifications
IBM Data Science professional certification, Data science bootcamp by 365 data science, Applied Machine Learning by the University of Michigan.

List of publications

- Numerically modelled study of the plunge stage in Friction Stir Spot Welding using multi-tiered mesh partitions, https://doi.org/10.1088/2631-8695/ac352e
- Numerical Simulation of Friction Stir Spot Welding of Aluminium-6061 and Magnesium AZ-31B, https://doi.org/10.4028/www.scientific.net/MSF.1048.241
- Numerically modelled and experimental study of Friction Stir Spot Welded Aluminium and Magnesium alloys (Thesis), http://dspace.iiti.ac.in:8080/jspui/handle/123456789/3248
- Optimised Machine Learning classification model to detect void formations in Friction Stir Welding, https://doi.org/10.1016/j.matpr.2023.03.386

REFERENCES

- **Joan Tan**,
  Associate Director (Quantitative Analysis) and Senior Teaching Fellow, National Australia Bank, Monash University.
  E-mail: joan.tan@monash.edu
- **Jigen Topiwala,**
  Deputy General Manager (Downstream Expansion Projects), ArcelorMittal Nippon Steel.
  E-mail: jigen.topiwala@amns.in

COMMUNITY INVOLVEMENT

MGA Volunteer, Monash University   **2023-Present**
- Helped in the successful organisation of various semester events such as trivia night and campus tour.

Panel representative, Academic integrity and ethics, Monash University   **2023-Present**
- Nominated as a panel representative to provide a student perspective during the academic integrity investigation of students.

Class representative, Class of 2021, Metallurgy Engineering, IIT Indore   **2019 - 2021**
- Acted as the representative for the class to convey critical information to the teaching staff and put forward the views of the students in various general discussion meetings to seek suitable solutions.