

Saubhagya Monal

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PROFESSIONAL SUMMARY

Experienced in procurement, ERP, and data analytics, specializing in process optimization and cost reduction. Skilled in Python, SQL, Excel, and data visualization, leveraging data-driven insights to enhance efficiency and drive strategic business decisions.

EDUCATION

Bachelor of Technology (Mechanical Engineering) Maharashtra Institute of Technology	2019 - 2023 Grade: 8.1/10.0
Intermediate (Class XII) Scottish Public School	2016 - 2018 Grade: 60.0%

EXPERIENCE

Production Engineer July 2023 - July 2024
Valmet Technologies Services *Pune*

- Spearheaded resource allocation and scheduling optimization strategies, decreasing lead times by 15% and reducing inventory overstock by 10%.
- Managed end-to-end procurement cycles using Encompix ERP, cutting component costs by 10% and achieving 8% annual savings through vendor negotiations.
- Crafted and implemented custom analyses via Excel-based dashboards to investigate and inform vendor performance, collectively contributing to a 7% reduction in procurement costs and 10% overall cost savings.
- Partnered with cross-functional teams to align purchasing and project execution goals, leveraging statistical methodologies to generate strategic insights that guided decision-making and maintained 95% on-budget project performance.

INTERNSHIPS

Beta Tester - Business Intelligence November 2025 - Present
Angstrom Education (Client: Coursera) *Remote*

- Executed UAT and functional testing across 10+ online learning modules and Skill Paths, identifying 15–20+ issues related to data accuracy, UI workflows, accessibility, and content quality.
- Validated backend data consistency using SQL (MySQL), Excel, and Power Query concepts, ensuring alignment between database outputs, platform reporting, and user-visible metrics.
- Reviewed Coursera course content end-to-end, analyzing module timing mismatches, accessibility gaps, CC issues, and UX defects, and documented findings in structured QA trackers, improving issue reproducibility and resolution speed.
- Collaborated with Product Engineering, QA, and Content teams to troubleshoot MySQL queries, ODBC data pulls, Excel-based validations, and product behavior, contributing to improved platform reliability and user experience.

PROJECTS

Uber Partner App: A/B Testing (EDA, Statistics) ([Github](#)) July 2025

- Evaluated a new app design by analyzing an A/B test of 54,681 users, concluding that it did not provide a statistically significant improvement in the first ride completion rate (p-value = 0.5168).
- Identified that the Referral signup channel was the most effective for driver activation, with a completion rate of 19.89%, which was found to be statistically significant (p-value = 0.0000).
- Found a statistically significant negative correlation (Pearson Coefficient = -0.3565) between the time taken for a background check and the time to add a vehicle, providing a key insight for streamlining the onboarding funnel.

RFM Segmentation and Customer Insight Analysis (EDA, Python) ([Github](#)) July 2025

- Conducted RFM analysis to segment over 10,000 customers, categorizing purchasing behaviour and life cycle value to identify high-potential customer groups.
- Analyzed key findings to identify high-value segments, including 219 "Big Spenders" (Rs.167,237.19 revenue) and 162 "Champions" (Rs.142,296.46 revenue).

- Formulated and communicated actionable insights and strategic recommendations for marketing campaigns, projected to boost customer engagement by 25% by tailoring outreach to specific customer segments.

Analytical CRM Development for Banking Sector (Power BI, SQL) ([Github](#))

March 2025

- Analyzed customer churn patterns using SQL and Power BI to interpret account balances across regions, identifying France and Germany as leading with 40.7% (Rs.311.33M) and 39.28% (Rs.300.4M) of the total balance, informing regional retention strategies.
- Developed interactive dashboards with DAX and slicers to visualize KPIs, churn trends, and customer behavior on 2019 churn rates (25.0% for females, 15.4% for males) to guide targeted retention initiatives.
- Discovered critical churn drivers related to product holdings (1409 exited with 1 product vs. 3-4 products), providing data to guide product feature and bundle development for retention.

IPL Analysis - Optimizing RCB's Player Auction Strategy (SQL, MS Excel) ([Github](#))

February 2025

- Delved into IPL data using advanced SQL, confirming RCB's 2.601 runs. Findings supported strategic recommendations for analysts, refining draft decision-making.
- Dissected complex team and player performance metrics, including RCB's 100% win rate at Sardar Patel Stadium, 60% at M.Chinnaswamy Stadium, and 9 matches won in 2013, forming the basis for actionable game strategies.

AstroSage Call Center Performance Analysis (MS Excel) ([Github](#))

December 2024

- Utilized comprehensive data cleaning and analytic techniques on over 90,000 call log records from 16 tables, enhancing data integrity and ensuring reliable data for decision-making.
- Executed in-depth analysis of call trends (avg. 246 daily calls) and agent performance (avg. 1.88 calls/agent/day) to pinpoint peak-hour inefficiencies and inform operational decision-making.
- Communicated key findings, identifying that 12.4% repeat callers generated 72% of all calls, which informed strategic improvements for the call center.

CERTIFICATIONS

Data Analyst Certification Newton School ([Link](#))

March 2025

- Utilized key tools like MS Excel, SQL, and Power BI to clean, analyze, and visualize data, building a strong foundation for data-driven insights.
- Gained hands-on experience in Excel modeling, SQL querying, and creating professional Power BI dashboards for business reporting.

Deloitte Data Analytics Job Simulation Forage ([Link](#))

January 2025

- Completed a Deloitte job simulation involving data analysis and forensic technology
- Created a data dashboard using Tableau
- Used Excel to classify data and draw business conclusions

Professional Certification Course in Data Science Newton School

November 2024

- Pursuing a Data Science Certification Course from Newton School, gaining hands-on experience in Excel, SQL, and Power BI to enhance analytical and problem-solving skills.

SKILLS

Computer Languages: Machine Learning, Python, SQL

Data Tools: PostgreSQL, NumPy, Power BI

Software Packages: Pandas, Matplotlib, MySQL, Excel, OpenCV

Additional Courses: Data Structure

Soft Skills: Verbal/nonverbal communication, Written communication, Teamwork, Communication Skills

Others: Git and Github, Microsoft Office, Spreadsheet, Analytics, Tableau