MEHUL AGARWAL

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Professional Summary

MBA in Business Analytics with ~5 years of experience in Manufacturing & Retail.

Experienced with data analytics & reporting using Python, SQL, Power BI, etc. and handling mid-sized teams for on-time execution & delivery.

Work History

Senior SC Analytics Analyst, Ecolab, Pune – 04/2021 - 06/2023

- Driven delivery of multiple data analytics & visualization projects across multiple Supply Chain functions accelerating digital transformation journey, through development of custom solutions for digitalization.
- Translated business problems into deliverable solutions & collaborated among team members to provide continuous improvement, development & maintenance.
- Followed Agile methodology style for development and proficient in using tools like Trello, Monday.com & Azure Boards.
- Developed 08+ custom analytics solutions based on combination of cloud & on-device tools such as MS Power Platform, Power BI reports, Python scripts, MS Azure, SQL DB etc., for tracking various KPIs across Procurement, Logistics, etc. helping meet regulatory & legal compliances, guidelines & certifications.
- Set-up best practices within team on coding guidelines, change management & deployment for reduced re-work & improved efficiency.
- Provided mentorship, training sessions for new associates & conducted interviews for associate analyst levels.
- **Project: Demand Planning Forecasts - Time Series Forecasting - North America**
  - Tools: Python - pandas, scikit-learn
  - Contribution: Data analysis, development of predictive time-series ARIMA model, deployment using FastAPI & Docker
  - Summary: Improved Demand Planning forecasts for SKU production through analysis of historical data & developed a predictive model for future production targets helping minimize supply chain disruptions.
  - Payoff: A projected ~2M USD improvement in indirect savings due to optimized production, lower inventory carrying costs; & identification of low-performing SKUs.
- **Project: Stock Reconciliation & Settlement Process - North America**
  - Tools: Azure Functions, Azure Logic Apps, Python
  - Summary: Automated daily inventory reconciliation & settlement process for over 20+ warehouses through zero-touch data refresh using SAP ERP MB52 data on Azure Functions & POST calls to GraphQL API for monday.com.
  - Payoff: Substantial manual effort savings ~0.25 FTE across each warehouse.
- **Project: Legacy Platform Migration - Europe**
  - Technologies: MS Power Platform, Azure SQL DB
  - Contribution: Architecture; Reporting & Front-End Development using MS Power Platform
  - Summary: Developed end-to-end migration of legacy DB to cloud-based solution with reporting capabilities
  - Payoff: Achieved 2.5x system uptime; reduced downtime by ~108 hours per week, projected annual savings of 40k GBP
- **Project: Supplier Contract Tracker - multiple geographics**

- Technologies: MS Power BI, SharePoint
- Summary: Developed multiple Power BI reports & dashboards for IMEA, China & SEA regions for tracking procurement contract spends & setup automated alerts for renewals, helping meet on-time compliance requirements & evaluate supplier performance.
- Payoff: Standardization of reporting used across multiple geographies leading to easier comparison across geographies.
- **Project: Skill Assessment Platform - Global HR**
  - Technologies: MS Power BI, SharePoint, PowerApps
  - Summary: Development of multiple Canvas PowerApps low-code applications for multiple SC functions & competencies with 05 language support for annual employee survey data collection, storage on SharePoint & development of reports & dashboards for final review & analysis by global HR heads.
  - Payoff: New custom solution for yearly employee survey data collection with reporting capabilities, easy customization & multi-lingual support.

Application Development Analyst, Accenture, Bengaluru – 11/2016 - 04/2019
- Worked as a functional consultant in Pricing & Promotions CoE supporting global supply chain team for a North American Retail client.
- Developed over 30 Python scripts to automate data scraping from various sources such as web-based ERPs, MS Excel sheets, CSVs, etc. using Selenium, Pandas libraries; & supported functional configuration for SAP IS Retail - Material Management module.
- Performed incident root cause analysis, cross-team collaboration, presentation & reporting for Client CXOs, BRD & FRD documentation and part of innovation R&D team.

Education

MBA in Business Analytics, 2021 – **SCMHRD (SIU)** - Pune, India
Bachelor of Engineering, 2016 - **Jadavpur University** - Kolkata, India

Achievements

- Twice awarded Certificate of Recognitions - Ecolab, Pune (2021 - 2022)
- National finalist - GAVS Data Challenge, IIT-M Case Study Competition, 2020
- National Finalist - 06 Degrees, IIM - Trichy Case Study Competition, 2019
- Awarded Certificate of Recognition - Accenture, Bengaluru (2018)

Others

- Lean Six Sigma Certification by KPMG
- Data Science Specialization by IBM on Coursera

Skills

- Project Management
- Power BI
- Azure SQL
- Power Query

- Python
- Machine Learning
- MS Excel