

# SURYA MANIAN

Power BI Specialist

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## WORK EXPERIENCE

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**Data Analyst** Newrest, Montreal, Canada

August 2023 - Present

- Automated weekly operational & financial reports across 4 Canadian units (Client Executive Summaries, Productivity Tracking, Fuel Efficiency, Food Cost and Waste Reports), reducing manual reporting time by 40%.
- Pinpointed operational bottlenecks and implemented cost reduction strategies by scrutinizing KPIs, including 6000+ flights serviced monthly, fuel efficiency, and labor costs; this directly informed key decisions for continuous improvements and efficiency gains.
- Designed **SQL**-powered **Power BI** dashboards that integrate 3+ databases for accurate, real-time reporting of key financial metrics, improving decision-making by 50%.
- Conducted **PowerPoint** monthly business reviews, including analysis of key performance indicators (KPIs) like carbon footprint and utilities, creating visualizations supporting sustainability and cost optimization initiatives.
- Developed a predictive model using **DAX** and statistical analysis of historical attendance and flight data; optimized staff allocation, leading to a 5% reduction in idle time per shift and increased operational efficiency.
- Enhanced workforce forecasting accuracy by tracking performance against flight schedules; personally reviewed and corrected 20+ erroneous data points weekly to improve forecast reliability and actionable insights.
- Implemented SQL-driven **Excel** reports for Report Development, leveraging advanced Excel functionalities, visualized key performance indicators, and improved budget tracking accuracy by 95% resulting in better executive strategic decision making.
- Collaborated with operations, procurement, and finance teams to ensure accurate reporting, compliance, and actionable insights.
- Implemented automated email distribution of dashboards, and streamlined data pipelines, improving timeliness and accuracy by 90%.

**Data Analyst Intern** Ambertag Analytics, Milpitas, CA, USA

May 2023 - August 2023

- Programmed 3D movements of a DOBOT robotic arm using Blockly and analyzed electrode/catheter voltage datasets with **Python** (Pandas, NumPy) to enhance automation workflows and improve medical mapping accuracy.
- Uncovered previously unknown operational features of the equipment across articles, which empowered stakeholders to boost client engagement by 15% and strengthen strategic decision-making.
- Created and presented operational and marketing analytics visualizations in **Tableau** to communicate results clearly to both technical and nontechnical stakeholders.

**Reporting Analyst Intern** Spade Labs, Chennai, India

December 2019 - July 2020

- Created Power BI reports to track state-wise robotics sales, identifying trends that helped increase sales by 25%.
- Implemented **Jira** dashboards to monitor project progress, facilitating data-driven decision-making and leading to on-time project delivery for 95% of projects managed.
- Analyzed customer feedback and sales trends using advanced Excel functions to identify high-demand product features, directly informing product development decisions.
- Developed UI/UX design - focused marketing materials (videos, e-manuals, posters, and flyers), executed email marketing campaigns, and applied marketing analytics to optimize product pricing and profitability while delivering data workshops to 75+ students.

TECHNICAL SKILLS

- Visualization & Reporting:** Power BI, Tableau, Microsoft Excel
- Programming Languages:** SQL, DAX, Python, R, Java
- Project & Workflow Tools:** Microsoft Fabric, Copilot, Teams, Jira, Github, Canva, Figma, StarUML
- Frameworks:** Scikit Learn, Matplotlib, Seaborn, ggplot
- Languages:** English (Fluent), French (Beginner)

PROJECTS

- Database Analysis and Automation for a Global Hardware Sales Company** SQL [GitHub](#)
- Utilized SQL queries within MySQL Workbench to crunch 2M+ sales records, uncovering key trends in customers, products, and markets.
- Cricket Data Analytics for the Best 11 Players** Power BI [Power BI Report](#)
- Web-scraped ICC data, cleaned with Pandas, modeled in DAX (ETL), and visualized in dashboards ranking the top 11 players.
- Netflix Data Analysis** Tableau [Tableau Public](#)
- Developed an interactive dashboard on 8,000+ titles to visualize genres, ratings, yearly trends, and country-wise distribution.
- Chocolate Sales Analysis** Excel [GitHub](#)
- Constructed a comprehensive Excel-based dashboard incorporating pivot tables and slicers to track KPIs, leading to enhanced sales insight generation.
- Likelihood of E-Signing a Loan** Python [GitHub](#)
- Conducted EDA on 10K+ financial records and built classification models (Logistic Regression, Decision Tree, SVM) with K-Fold Cross-Validation, Grid Search, and feature selection, achieving 64% accuracy.

ACCOMPLISHMENTS AND CERTIFICATIONS

- Microsoft Certified: Power BI Data Analyst Associate** October 2022
- Tableau Desktop Specialist** September 2022
- Volunteer Staff - Startupfest Montreal** July 2022
- Microsoft Certified: Azure Fundamentals AZ-900** Microsoft October 2020
- Data Analytics Virtual Experience Program** Quantum August 2020
- Data Analytics Consulting Virtual Intern** KPMG July 2020
- Event Coordinator - Code Quest SRM Texus 2K19** July 2019

EDUCATION

- Master of Engineering, Software Engineering** January 2021 - December 2022  
Concordia University, Montreal
- Bachelor of Technology, Computer Science** July 2016 - April 2020  
SRM University, Chennai, India