Kartik Salian

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Summary

Results-driven Data and Business Intelligence Analyst with 2+ years of experience in data analysis, Power BI, SQL, and Python. Proven expertise in developing interactive dashboards, optimizing data pipelines, and delivering actionable insights to drive strategic decision-making. Adept at collaborating with cross-functional teams to ensure data integrity and accuracy. Passionate about leveraging data to improve healthcare outcomes and operational efficiency.

Education

University of Galway, Galway, MSc in Computer Science (Specialization: Data Analytics)   Sep 2022 – Aug 2023

- Honors degree classification: 2:1
- Related Modules: Machine Learning, Deep Learning, NLP, Image Processing, Data Visualization and Knowledge Graph

Fr. Conceição Rodrigues College of Engineering, Mumbai, BE in Electronics Engineering   Jul 2018 – May 2022

- Honors degree classification: 1:1
- Related Modules: Neural networks, Digital signal processing,Object oriented programming, DBMS and C.

Experience

Data Analyst, Vodafone – Dublin, Ireland   Sep 2023 – Feb 2025

- Designed a data-driven framework using Python, SQL, and Power BI to analyze network performance data, ranking the 10 worst-performing locations based on customer Wi-Fi scores. Developed interactive dashboards and automated monthly newsletters to present findings and actionable insights to senior management, enabling proactive network optimization and strategic decision-making.
- Collaborated with a partner company to optimize customer Wi-Fi performance, achieving a 95% success rate in improving connectivity through data-driven analysis.
- Built predictive analytics dashboards in Power BI (DAX) to optimize IP address ownership and renewal strategies, forecasting resource usage and enabling proactive decision-making across the company.
- Automated the end-to-end ComReg reporting process by integrating MicroStrategy data with weather maps, ensuring compliance with Irish government regulations and reducing manual effort by 30%.
- Conducted data-driven analysis of churned customers to identify key drivers of attrition, enabling targeted retention strategies.
- Collaborated with marketing and finance teams to analyze Wi-Fi extender effectiveness, providing actionable insights to support sales decisions.
- Designed anomaly detection pipelines using Fourier transformations, enhancing feature engineering for machine learning models.
- Optimized SQL queries for anomaly detection, enhancing database performance and reducing query runtime by 15%.
- Using Jira to track project progress and ensure agile delivery.

Data Analyst Intern , Devlance – Remote, Mumbai   May 2022 – June 2022

- Conducted statistical analysis on survey data to identify key factors influencing salary trends.
- Built regression models to benchmark salaries, providing actionable insights for competitive positioning.
- Designed and presented data visualizations to communicate findings effectively to stakeholders.

Projects

Financial News Sentiment Analysis

- Built a sentiment analysis system using Logistic Regression, SVM, and Random Forest models, achieving 81% accuracy in classifying financial news sentiment.

Sales Analytics Dashboard (Power BI & Python)

- Developed an interactive Power BI dashboard using Python for data cleaning and transformation. Utilized DAX for calculated columns and measures to analyze profit, sales growth, and discount impact.
- Tools Used: Python (Pandas, NumPy), Power BI, Power Query, DAX, Excel/CSV.

Linear Regression Model

- Predicted sales and analyzed the relationship between sales and marketing spends using Python libraries.
- Tools Used: Python (pandas, matplotlib, seaborn, sklearn)

Fandango ratings Analysis

- Investigated potential rating manipulation on Fandango's platform using Python for statistical analysis and visualization.
- Tools Used: Python (pandas, matplotlib, seaborn, sklearn)

Technologies and Skills

Tools & Technologies: Power BI (DAX, Power Query), SQL, Python (Pandas, NumPy, Scikit-learn), Tableau, MicroStrategy, Microsoft Excel, Jira

Data Engineering: Data Pipeline Design, Big Data Technologies, Data Wrangling, Data Normalization, Cloud Platforms (GCP).

Analytics & Modeling: Statistical Analysis, Machine Learning, Predictive Analytics, Data Visualization, Predictive Analytics, Dashboard & Report Development, NLP, Transformer, BERT, T5.

Soft Skills: Collaboration, Communication, Problem-solving, Adaptability, Attention to Detail.

Certifications

- Python programming training
- Python for Machine Learning and Data Science Masterclass
- The Complete SQL Bootcamp
- A Crash Course in Data Science by Johns Hopkins University
- Introduction to R
- Foundations: Data, Data, Everywhere by Google
- Foundations of Project Management by Google