Monish Nallagondalla Srinath

| Bangalore, Karnataka | +919538809196 | nsmonish@gmail.com |

# Professional Summary

# Data Scientist with a master’s degree in Data Science from Coventry University and over 2 years of experience in data analysis and machine learning. Proficient in SQL, Python, and Tableau for solving complex business problems and developing predictive models. Experienced in creating actionable dashboards and reports that drive strategic decisions. Worked with major UK clients in the insurance sector, applying statistical techniques and machine learning to deliver insights and support business goals. Strong collaborator with a talent for communicating complex technical concepts clearly. Committed to continuous learning and leveraging innovative technologies to achieve impactful business outcomes and enhance customer experiences.

# Work Experience

## Data Scientist

**AIET Pvt. LTD, Bengaluru, India | May 2024 – Present**

- **Machine Learning Model Development**: Develop and deploy machine learning models to forecast maintenance needs, enhancing operational efficiency and reducing downtime.

- **Cross-functional Collaboration**: Collaborate with chemical engineers and operations managers to align data science projects with business goals, boosting process optimization and overall performance.

- **Data Visualization and Reporting**: Create data visualizations and reports to convey insights on refinery performance and chemical processes, effectively communicating findings to stakeholders.

- **Predictive Analytics**: Conduct predictive analytics to forecast equipment failure, minimizing downtime and improving asset reliability.

- **Process Optimization with Machine Learning**: Optimize chemical injection processes using machine learning, enhancing efficiency and reducing operational costs.

- **Statistical Modelling for Enhanced Oil Recovery**: Apply statistical models to optimize water injection strategies, supporting enhanced oil recovery efforts.

- **Data Cleaning and Feature Engineering**: Perform data cleaning and feature engineering to ensure high-quality datasets for accurate model training and analysis.

## Data Analyst

**Hood Group, Southend-on-Sea, United Kingdom | May 2022 – December 2023**

- **Data Analysis and Reporting**: Conducted extensive analysis of customer data for travel, home, and vehicle insurance. Generated detailed reports and intuitive infographics that revealed key trends and supported strategic decision-making, aligning with the need -for complex problem-solving and data-driven insights.

- **Interactive Dashboards and Data Visualization**: Designed and implemented over 25 interactive Tableau dashboards for customer profiling, agent performance, and compliance reporting. Delivered actionable insights that informed targeted marketing strategies and enhanced dynamic data visualization, crucial for data-driven decision-making.

- **SQL and Data Management**: Utilized SQL for extracting, cleaning, and transforming diverse datasets. Developed over 100 queries to ensure the accuracy and reliability of data, which supported comprehensive analysis and provided actionable business insights, reflecting experience with big data architectures.

- **Cross-functional Collaboration and Communication**: Managed the Data and Insights Microsoft Teams channel, sharing valuable business information and AI trend updates. Worked closely with cross-functional teams to drive successful business outcomes and promote a collaborative, data-driven culture.

**- KPI Monitoring and Compliance:** Analyzed live data from Google Analytics based on marketing KPIs to enhance customer engagement. Assisted in creating monthly performance reports using Microsoft Access and contributed to the development of FCA-compliant dashboards for audit accuracy.

**Relevant Clients**: Sainsbury's, ASDA, Virgin Money, RSA, RAC

## Data Analyst Intern

**Sansys Technologies, London, United Kingdom |December 2021 – May 2022**

- **Client Needs Analysis**: Analysed client needs, formulated problem statements, and collaborated with subject matter experts to ensure targeted data analysis and solution development.

- **Data Collection and Preparation**: Designed and implemented data collection procedures, including data entry and external data acquisition. Utilized SQL and Python (Jupiter notebooks) for data extraction, cleaning, and preparation.

- **Exploratory Data Analysis and Machine Learning**: Conducted thorough exploratory data analysis (EDA) to uncover trends. Developed and deployed Machine Learning models to address specific client queries and drive actionable insights.

- **Data Visualization and Dashboard Creation**: Created visually engaging charts and graphs using Python libraries. Developed interactive dashboards with Tableau and Power BI, enabling detailed data exploration and informed decision-making.

-**Reporting and Stakeholder Communication**: Compiled and presented comprehensive reports to clients and stakeholders. Simplified complex methodologies and used visualizations to clearly communicate data insights and recommendations.

## Sales Consultant

**Renault India Pvt. Ltd, Silk Board, Bengaluru, India | September 2019 – September 2020**

- **Customer Data Tracking and Analysis**: Monitored and analysed customer data to identify sales opportunities when demand for automobiles arose.

- **Client Communication and Data Management**: Communicated with clients ranging from small business employees to large corporation stakeholders via phone calls and meetings. Updated data daily to maintain accurate records.

- **Post-sale Support and Service Optimization**: Utilized past customer data to provide post-sale support, including automobile repairs. Generated significant earnings for the corporation through service centres.

- **Sales Forecasting and Inventory Management**: Forecasted stock for future sales in both showrooms and service centres to ensure optimal inventory levels.

- **Sales Reporting and Visualization**: Created sales reports for managers using charts and graphs to provide clear insights and performance metrics.

- **Insurance and Financial Assistance**: Assisted customers with insurance and financial requirements, including bank loans and credit cards, to facilitate automobile purchases.

# Education

## Master of Science in Data Science

**Coventry University, Coventry | January 2021 – January 2022**  Grade: **Merit**

**Key modules:** Programming for Data Science, Principles for Data Science, Machine Learning, Information Retrieval, Big Data Management and Data Visualization, Data Management Systems.

**Bachelor of Engineering in Mechanical Engineering**

**Visveswaraya technical university (VTU)**

# Skills

**Programming Languages:** Proficient user of Python for Data science, engineering, and analytics.

|  |  |
| --- | --- |
| **Database / Server:** | Experienced in MySQL, PostgreSQL, and SQL server. |
| **Data Visualization:** | Advanced Tableau user with the ability to create accurate and creative infographics and presentations, and Power Bi. |
| **Data Integration:** | Basic Linux |
| **Data warehousing:** | Snowflake, SQL |
| **ETL/ELT:** | PySpark, Python |
| **Data Orchestration** | Apache Airflow |
| **Version Control** | Git |
| **Cloud Services**: | Azure |
| **Projects** |  |

1. University final Semester Project: Zomato Rating prediction and sentimental analysis of reviews using Machine learning.

* Established valid data sources and adhered to GDPR guidelines.
* Python data cleaning and visualization with Geopy.
* ML algorithms achieved 80% accuracy in rating prediction.
* Conducted sentiment analysis on reviews.

2. University Projects:

* MS Excel projects: Banking, retail, insurance - Time series analysis, forecasting, pivot tables.
* Sales Insights Analysis: Tableau, Power BI - SQL queries for ETL, data cleaning, interactive dashboards.
* Big Data Analytics with PySpark: Docker, EDA, data pre-processing, ML models.
* Customer Analytics: Shipment data - EDA, ML classification algorithms.
* Celebrity Image Classification using SVM: Image scraping, OpenCV, PyWavelets (65% accuracy).

# Certifications

* **SQL Data Analyst** from Data Camp (39 hours).
* **Data Engineer** from Data Camp (57 hours).
* **Machine Learning and Data Science bootcamp** from Ineuron (12 Hours)

**Git:** <https://github.com/Monish6864>

**LinkedIn :** <https://www.linkedin.com/in/monish-nallagondalla-srinath>