



DEEPAK MATHEW A

DATA ANALYST

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Career Objective

"Data Analyst and Data Engineer with 2 years of experience in transforming raw data into actionable insights and building efficient data pipelines. Skilled in SQL, Python, Power BI, and Azure Data Factory, with expertise in data modelling, ETL processes, and dashboard creation. Adept at analysing large datasets, optimizing workflows, and developing KPI reports to drive business insights. Passionate about leveraging data engineering and analytics to drive strategic decision-making and improve operational efficiency.

Technical Skills

Server Tool: MS SQL Server, SQL Server Management Studio (SSMS), MSSQL Server Integration Services (SSIS), MSSQL Server Analysis Services (SSAS)

Cloud Computing: Azure SQL Database, Azure Data Lake, Azure Data Factory, Azure Databricks, Azure Synapse Analytics

Data Visualization: Power BI, Excel

Programming Language: Python (Pandas, PySpark), SQL Spark

Data Processing & Analytics: Spark, Machine Learning, Stream Analytics, Power BI

Machine learning: Regression Analysis, Bayesian Method, Decision Tree, Random Forests, Support Vector Machine, Neural networks, sentiment analysis, K-Means clustering, KNN and Ensemble Method, NLP

Statistical Methods: Hypothetical testing, ANOVA, Time Series, Cross-validation

Work Experience

IDEATEC Real Time Data Pvt Ltd | Data Analyst

Sep 2024 – Till

- Collected, processed, and analyzed real-time machine performance data to identify trends and anomalies.
- Built predictive maintenance models to detect potential failures and reduce downtime, improving operational efficiency.
- Developed dashboards and reports in Power BI to monitor machine health, downtime, and efficiency metrics.
- Utilized SQL and Python to clean, aggregate, and model machine data for predictive maintenance insights.
- Designed and optimized ETL pipelines for real-time data ingestion and transformation from industrial sensors and IoT devices data.
- Collaborated with engineering teams to improve data collection methods and enhance monitoring accuracy.

HCL TECH | Associate Data Analyst

Mar 2023 – Aug 2024

- Having experience in publishing various report in Excel, Power BI and setting up the necessary connection settings.
- Automated the summary reports using SQL and Python; Visualized the data on Microsoft Power BI.
- Developed Python scripts to automate routine data processing tasks, saving an estimated 20 hours of manual work.
- Work on excel report with power query, power pivot and data modelling to create the YTD, MTD and QTD reports.
- Worked with Data Warehouse team in developing Dimensional model and analysing the data. Experience in Data Integration & data Quality controls for ETL process and Data Warehouse using MS visual studio, SSIS, SSMS, SSAS.
- Experienced in Python to date Manipulate & data Preparation for data loading and extraction; worked with Python like Matplotlib, Numpy, Scipy, Pandas for data analysis.
- Having experience in creating various charts like line chart, bar chart, table, matrix table, area chart, scattered chart, tree map.

Contact

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Educational

- M.sc (Mathematic) in 2022 from Government Arts college for men with 70.04%
- B.sc (Mathematic) in 2019 from LOYOLA COLLEGE with 64.34%
- HSC from Madras Christian College Higher Secondary School, 2016 with 73.33%

Certificates

- Data Analytics Certificate from Besant Technologies.
- Course completed Certificate in PL-300 Microsoft Power BI Data Analyst from Koenig Solutions.
- Internship in Data Analytics and Machine learning from Pantech Solutions.

Area of Interest

- Data Analyst
- Data Engineer
- Data Scientist
- Power BI Developer

Languages

- Tamil
- English

Hobbies

- Listing to song
- Nunchaku