Resume - Data Scientist

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Summary:

A highly skilled data scientist with proven experience in EDA, Data Mining, Feature Engineering, implementing Machine Learning algorithms and completing the data pipeline using Big Data Visualizations. Specialized in root-cause analysis of issues and conceived data-based business applications. Kaggle Worldwide competition winner. Strong problem-solving skills and ability to interact with cross-functional teams. Seeking an opportunity to work in an Analytics team and help craft creative solutions.

Key Qualifications:

Proven experience in EDA, Data Mining, Feature Engineering, and implementing Machine Learning algorithms. Experience in completing the data pipeline using Big Data Visualizations. Specialized in root-cause analysis of issues and conceived data-based business applications. Strong problem-solving skills and ability to interact with cross-functional teams.

Work Experience:

Data Scientist - Daimler Truck Innovation Center India (DTICI, Bengaluru), 10/2021 to Present

Building a cloud-based end-to-end ML based Battery Life Prediction project for eCitaro (city-bus, both NMC & LMP) vehicles using Azure Databricks, in extending battery life with Leslie & team. Creating advanced statistics (affinity analysis) for charging systems of Electric Buses for deeper system features and performance analysis.

Expertise in ‘Energy Management System’ & identification of KPI’s for performance & issue analysis of eCascadia gen2 vehicles.

Created common Power BI dashboard for Citaro Trucks fleet monitoring and dynamic reporting.

Innovation activity - creating a Reinforcement Learning based Battery Cooling Power Prediction model for “optimal energy consumption”.

PGET/Data Scientist – Mercedes Benz R&D India (MBRDI, Bengaluru), 11/2020 to 10/2021

Implemented complete Data Pipeline for Battery Health Dashboard using cTP data, along with Evobus, discovered numerous insights for battery degradation & cTP vs Data logger data validation with Verena & team.

Programmed an automated testing tool for the testing team saving many human working hours by 90% and it’s more efficient in finding the critical issues at the earliest by using advanced clustering algorithms on Multi-Variate Time Series Data using “Dynamic Time Warping-DTW” on MF4, BLF, MDF files from various Data loggers of customer vehicles.

Being part of e-Powertrain team analyzed data and “By early detection of failure of eAxle & high energy consumption scenarios”, saving 30,000 Euros in vehicle down time.

Research Intern – Ericsson, Chennai, 08/2019 to 05/2020

Master thesis on development & application of “Risk-free multi agent Reinforcement learning Model” in Telecom services.

- Developed a model using Python, OpenAI-Gym & Tensor flow, this model improved the bandwidth allocation for respective customers & increasing the customer satisfaction.

Education:

M.TECH: Controls & Automation – 8.59/10 CGPA, VIT University, Vellore, 2018-2020

B.TECH: Electronics & Instrumentation Engineering - 7.64/10 CGPA, Bapatla Engineering College, Bapatla, 2014-2018

Skills:

Advanced: Python, Spark, Numpy, Pandas, Sickit Learn, Seaborn, Plotly, PyCharm, Power BI, Tableau, Azure Databricks, Azure Data Lake, and CANape & CANdb.

Intermediate: MATLAB, R, Tensor flow, GitHub, and SQL.

Beginner: Kanban.

Advanced Statistics, Problem Solving and Product Development.

Fluent in English, German (A1), Hindi, Telugu, and Tamil (Speak).

Certifications:

Kaggle Worldwide competition winner

References:

Available upon request