Resume - Data Scientist

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Summary:

Highly skilled Data Scientist with over 2 years of experience in data analysis, feature engineering, and machine learning. Proven ability to complete the data pipeline using big data visualizations and specialized in root-cause analysis of issues. Winner of Kaggle worldwide competition.

Skills:

Advanced: Python, Spark, Numpy, Pandas, Scikit-learn, Seaborn, Plotly, PyCharm, Power BI, Tableau, Azure Databricks, Azure Data Lake, CANape & CANdb

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

Beginner: Kanban

Advanced Statistics

Problem Solving

Product Development

Languages:

English

German (A1)

Hindi

Telugu

Tamil (Speak)

Experience:

Data Scientist - Daimler Truck Innovation Center India (DTICI, Bengaluru)

Oct 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)

Nov 2020 to Oct 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

Aug 2019 to May 2020

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

Developed 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