Aditya Rai

Lead Data Scientist @ Dr Reddy's

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Education ---------------

BITS Pilani B.E.(Hons.)
EEE – 7.8 CGPA
Minor in Finance – 8.4 CGPA

Tech Stack --------------

Python, R, SQL

LLM, NLP, Langchain

Optimization, MILP

AWS, GCP, TensorFlow

Machine learning, XGBoost, RF

Classification, Regression

Leadership Principle ---

Stakeholder Management

Biased for Action

Problem Solving

Ownership

Invent and Simplify

Scheduling and Planning

Achievements ----------

Leading 5-mem team, orchestrating 12 Parallel projects.

Youngest Nomination for Young Leader award @DRL

Youngest Lead DS @DRL

Developed Business effecting model for BankBazaar and DRL value comprise 200cr+ Annually.

Projects – Optimization of Mfg. and supply chain process, Offer Personalization, Forecasting, Dynamic Pricing, Churn, trends, Sentiment Analysis, Prompting- few shot, SQL Agent

Experience --

Dr Reddy's Laboratory   2021 July – Present

Lead Data Scientist   (Oct 2023 – Present)

-- Leading a team of 5 and managing cross-functional teams, fostering collaboration between DS, engineers, and project managers to ensure project success.
-- Deployed advanced chatbot, seamlessly integrating OpenAI and LLM through LangChain integration. Achieved an unprecedented reduction in TAT from 45 to 2 days, leveraging NLP, automation, SQLite, agent, continuous learning for enhanced team interactions and unparalleled efficiency.

Senior Data Scientist   (July'21 – Sep'23)

-- Led various technical projects focused on enhancing yield through classification analysis and developing a manufacturing scheduler utilizing advanced optimization techniques, including MILP and Genetic Algorithms.

BankBazaar.com   2019 Mar – July 2021

Data Scientist – 2   (Apr'20 – July'21)

-- Created an automated framework to assess market growth trends and lending patterns, collaborating with management, and provided insights into potential partnerships based on the assessments.
-- Developed propensity models for a variety of products using ML and classification algo, enhancing customer experience by tailoring offers, content, and products to individual preferences. Delivered business-critical insights and innovative solutions.

Data Scientist   (Mar 19 – Mar'20)

-- Completed project of churn analysis initiatives, identifying factors influencing customer attrition and implementing preventive measures using Boost.
-- Applied advanced techniques for price estimation, optimizing pricing strategies for products and services. These efforts resulted in data-backed recommendations for sustainable business growth.

Merilytics   2018 May – Mar 2019

Data Scientist

Executed projects encompassing diverse domains, including time series sales forecasting, predictive modeling, sentiment analysis of customer reviews, customer deduplication and analysis, and price elasticity analysis and modeling, showcasing proficiency across various analytical and data-driven tasks.

Amazon   2017 July– Dec 2017

Data Scientist Intern

Involved in projects like time series forecasting (ARIMAX) for predicting the impact of the anomalies on the 24 hours predicted accuracy as numbers of shipment at each warehouse.