

Reesu Jagan

Data Scientist

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CAREER OBJECTIVES:

Accomplished Data scientist with a passion for delivering valuable data through analytical functions. Committed to helping companies advance by helping them to develop strategic plans based on predictive modeling and findings.

WORK EXPERIENCE:

- Working as Data scientist at TuringMinds.ai (March 2022-present)

PROJECTS:

Purpose: To predict Customer life time value:

Customer lifetime value is the total amount of money a customer is expected to spend with your business, or on your products, during the lifetime of an average business relationship.

Objective is to predict the Customer life time value for an autoinsurance company based on different quantitative and qualitative features provided.

KAGGLE COMPETITIONS:

1.Kaggle American Express-Default prediction:

The objective of this competition is to predict the probability that a customer does not pay back their credit card balance amount in the future based on their monthly customer profile. The target binary variable is calculated by observing 18 months performance window after the latest credit card statement, and if the customer does not pay due amount in 120 days after their latest statement date it is considered a default event.

2.Kaggle playground -To predicts product failures:

The August 2022 edition of the Tabular Playground Series is an opportunity to help the fictional company *Keep It Dry* improve its main product *Super Soaker*. The product is used in factories to absorb spills and leaks.

The company has just completed a large testing study for different product prototypes. Objective is use this data to build a model that predicts product failure

KEY SKILLS:

- **Programming language:** Python, C, R , Matlab
Python Packages: Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn,Keras
- **SQL & No SQL:** Mysql workbench,Mongodb
- **Big Data Engineering:** Linux, MySQL, Hadoop, Map-Reduce, Spark, Hive, HQL, HBase, No-SQL, JSON, XML, YAML, MongoDB, Kafka, PySpark, PySpark ML
- **Tools:** Tableau (Intermediate Level).
- **DevOps/MLOps:** Docker,Jenkins,Git
- **Statistics/Machine Learning:**
 1. Statistical Modeling Algorithms – Simple Linear and multiple Linear Regression, Logistic Regression, shrinkage/regularization techniques like Ridge/LASSO/ELASTIC Net/PCA
 2. Machine Learning Algorithms (Ensembles) – Agglomeration, Clustering, Recommender Systems, KNN, K-Means, Decision Tree, Random Forest, SVM, Bagging, Boosting, Ada-Boosting, Gradient Boosting, XGB, Stacking etc.
 3. Neural Networks – Artificial Neural Networks, Deep Learning. Auto Encoders
- **Optimization and Decision Analysis** – Linear Programming Algorithm (LP), Non-Linear Programming (NLP) Algorithm, Genetic Algorithm, Goal Programming

EDUCATION:

Rajiv Gandhi University of knowledge and Technologies-Nuzvid.

Bachelor of Engineering [Mechanical Engineering] - 2022 (CGPA: 8.5)

ACTIVITIES:

- Certificate of Participation as a participant in District volleyball competition.
- Participated in Tekzite-2k19 Technical fest.
- Served as NSS Volunteer (2017-2019).

ACADEMIC PROJECT:

Purpose : To design a Mini Rice Milling machine

- Design and fabrication of a motorized rice hulling machine
- To reduce the cost of production of machine so that it can be affordable

ADDITIONAL INFORMATION:

Languages known: Hindi, English and Telugu