

SOMESH KUMAR

New Delhi

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Work Experience

EXL Service

Sep 2019 – Present

Consultant II(Business Analyst), Lead Assistant Manager

Gurugram, Haryana

Customer Matching Framework | Leading US Credit Card Company | *Hive, Python, Postman* May 2021 – Present

- The framework creates linkages between customer/business entities to uniquely identify the end user and their portfolio
- Revamped existing framework to repair customer linkages using demographics data matching and business intelligence
- Rendered the framework sensitive to data quality, mismatching genders and suppression of redundant data for matching
- Delivered 8% incremental accuracy, 70% higher computation efficiency and resolved 90% of recently raised linkage issues

Anomaly Detection | Capability Development | *Python, Hive* June 2021 – Present

- Modelled identification of junk/default values and logical irregularities in demographics data using Isolation Forest
- Generated a modular ISF model using oversampling, grid search and demographic parameterization to detect anomalies
- Used frequency based methods to detect default values, designed baseline model to calculate model performance metrics
- The model identified anomalous demographics with an average precision of 81% and a recall of 79%

Customer Metadata-Base Design | Leading US Credit Card Company | *Hive, Couchbase* Feb 2020 – May 2021

- Designed a self-sustaining architecture for automatic real time data updates and account setup
- Identified principal data-sources for 190M accounts in 25+ global markets, 20+ system of records across business units
- Framed arbitration structure for demographic data-sources based on coverage, quality and availability of peripheral data
- Overlooked execution and collaboration for production release and performed due diligence through UATs and PIVs
- Optimized inquiry time and refresh rate, resolved default values, truncations and format inconsistencies in the data

Spend Prediction Model | Leading US Credit Card Company | *Python, Hive* Sep 2019 – Feb 2020

- Developed model for predicting spends for Direct Mail Campaign, using gradient boosting method implementation
- Theorized and coded neighborhood, risk, spends and response variables for the prospect base population
- Performed hyper-parameter tuning, scoring, validations and quality checks based on model performance metrics
- Formalized model documentation and ensured reconciliation of predictions with production teams

Education

Indian Institute of Technology Kanpur

Jul 2014 – Sep 2019

B.Tech-M.Tech Dual Degree in Mechanical Engineering

Kanpur

Technical Skills

Languages: SQL, Hive, Python, HTML/CSS, C, C++, Bootstrap, JavaScript

Software Tools: Excel, Hive Terminal, Putty, Win-SCP, Postman, Tableau, Matlab

Techniques and Algorithms: Data Analysis, ML Algorithms(Decision Trees, SVM, Isolation Forest)

Relevant Coursework

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|----------------------------|-------------------|---------------------|----------------------------|
| • Machine Learning | • Web Development | • Numerical Methods | • Robot Motion Planning |
| • Data Analysis with Excel | • Linear Algebra | • Data Structures | • Philosophical Aesthetics |

Awards and Recognitions

- **Q1-2020** EXL Shinning Superstar Award (new joiner) for developing data quality framework for client
- **4th Sprint-2020** PI Planning Recognition by client for Customer Metadata-Base Design
- **5th Sprint-2021** PI Planning Recognition by client for Matching Framework Remediation