SOMESH KUMAR

New Delhi

📞 8960801927   ✉ work.someshkumar@gmail.com   🔗 linkedin.com/in/somesh-kumar-409543115/

Summary

Proficient data and analytics professional with **over 4 years of experience** and a demonstrated history of supporting business with analytical solutions using **Python, SQL, Machine Learning, AI and Time Series**.

Work Experience

EXL Service   **Sep 2019 – Present**
Senior Consultant, Manager   *Gurugram, Haryana*

Customer 360 - Metadata-Base Design | Leading US Credit Card Issuer and Bank | *Hive, Couchbase*
- Designed a self-sustaining architecture for automatic **real time data updates, account setup and data inquiry**
- Identified principal data-sources for **over 190M accounts in 25+ global markets and 20+ system of records**
- Built a comprehensive **Data Quality Framework** to safeguard data integrity during and post the production cycle
- Optimized **inquiry time by 20%**, **refresh rate by 70%**, resolved default values, truncation and format inconsistencies

Customer 360 - Customer Matching Framework | Leading US Credit Card Company | *Hive, Python, Postman*
- The framework creates linkages between individuals/business entities to uniquely identify the end user
- Revamped existing framework to repair linkages using enhanced matching, business knowledge and **external data**
- Rendered framework **sensitive to data quality, mismatching genders and suppression of redundant data**
- Delivered 8% incremental accuracy, 70% higher computation efficiency and resolved 90% of recently raised linkage issues

Proactive Anomaly Detection | Internal Capability Development | *Python, Hive, Unsupervised Learning*
- Developed a proactive ML-based framework that detects **erroneous values** and **logical irregularities** in datasets
- Applied **Feature engg.**, **Unsupervised Learning** and **Time-Series** for anomalies in demographic and aggregate data
- Achieved **84% precision**, **80%** recall and replaced existing manual process with **automated real-time solution**
- Led a team of 5 resources across geographies and collaborated with teams to deliver concept-to-launch of product

Merchant Marketing - Offer Analytics | Leading US Credit Card Issuer | *Yellowbricks, Sisense, Python*
- Provided end to end analytical support to pilot **SKU level offers** for the client with a leading technology partner
- Designed a **dashboard**, for product and marketing teams to visualize offer engagement across key dimensions

Consumer Lending - Spend Prediction Model | Leading US Credit Card Company | *Python, Hive*
- Developed model for **predicting incremental spends for Direct Mail Campaign**, using gradient-boosting regressor
- Theorized and coded neighborhood, risk, spends and response variables for the prospect base population
- Performed **hyper-parameter tuning, scoring, validation 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: HQL, PostgreSQL, Python, HTML/CSS, C, C++, Bootstrap, JavaScript
Software Tools: Excel, PyCharm, Sisense, Power BI, Tableau, Git, Postman, Putty, Win-SCP, Matlab, VSCode
Techniques and Algorithms: Data Analysis, Dashboarding, Automation, ML, AI, Time Series

Awards and Recognitions

- EXL Shinning Superstar Award for developing data quality framework for client
- PI Recognition Award by client for Customer Metadata-Base Design
- PI Recognition Award by client for Matching Framework Remediation