Samarth Khare

Austin, TX

P: 469-380-4817 | Email: khare.samarthutd@gmail.com | Website: samarth-khare.com

Adaptable Data Analyst skilled in recording, interpreting and analyzing data in a fast-paced environment. Advanced proficiency in all aspects of Excel. Experienced in preparing detailed documents and reports while managing complex internal and external data analysis responsibilities. Able to manage multiple tasks, meet tight deadlines and increase team performance. A driven, self-starter who is adept at organization, analytics, data management, and for producing results.

Key strengths include:

- Analytics
- Negotiation
- Administration
- Operations
- Statistics
- Python
- Leadership
- Management
- Project Management

TECHNICAL SKILLS

Analysis Tools: Python • SQL • R • NoSQL • Advanced MS Excel • VBA • Pivot Tables • SAS • Impala • Presto • Athena

Databases: MySQL • SQL Server • MongoDB • HBase • Cassandra • Hive • S3 • Redshift • RDS • DynamoDB

Big Data Processing: Hadoop • Spark • Sqoop • Flume • Storm • Flink • Tez • EMR • Kinesis • Glue

Cloud Services: AWS, Azure

CRM and ERP: Salesforce • Microsoft Dynamics • Hubspot

Data Visualization: Tableau • Power BI • Qlik • Kibana • QuickSight

Techniques: Regression • Classification • Forecasting • Machine Learning • Business Intelligence • Data Analysis • ETL • Descriptive Analytics • EDA • Clustering • Statistical Modeling • Ensemble • Feature Engineering • Big Data • Data Structures

PROFESSIONAL EXPERIENCE

CODERS DATA - FRISCO, TX   **August 2020 - Present**

Data Analyst
- Performed Sales Prediction across the states by using historical sales data and implement successful strategies.
- Develop and monitor models for targeting prospective members and increase engagement of existing members portfolio across credit card, personal loan, student loan, auto loan and deposit products.
- Executed overall data aggregation/alignment & process improvement reporting within the Sales department.
- Managed Data quality & integrity using skills in Data Warehousing, Databases.
- Designed and developed the visualizations on Tableau including publish reports and manage data source on Tableau Server for business and sales insights.
- Developed python scripts to automate data sampling process. Ensured the data integrity by checking for duplication, completeness, accuracy, and validity.
- Designing automated dashboards and data visualization to extract relevant and targeting market insights. Calculated KPIs and metrices. Data classification using Python.
- Application of various machine learning algorithms and statistical modeling - decision tree, logistic regression to identify key features using various packages in Python.
- Retrieved and analyzed data by writing complex ad-hoc SQL queries across large scale dataset. Managed data migration over different platforms.
- Tools used Python, SQL, Tableau

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INTUILIZE - DALLAS, TX   **January 2020 - May 2020**

Data Analyst
- Performed Sales Data Analysis using Customer/Product Segmentation while working in a team of seven people.
- This project contained about 25 months of data on sales activity of our client's transactions and lasted 4 months.
- Performed Data Cleaning, Exploratory Data Analysis on data about 4146 customers.
- Performed Recency Frequency Monetary, RFM Analysis on a 5-point scale, ABC Analysis to classify customers into different clusters.
- Overlaid information regarding segmentation, presented using Tableau dashboards.
- Identified best shipping channels to target for core customers and proposed boosted gross profit by 12%
- Tools used R, Python, Tableau

ALLIANT INFOTECH - INDORE, INDIA   **May 2015 - April 2018**

Data Analyst
- Extracted and refined the unstructured data and loaded it to MySQL to study the data using SQL.
- Optimized data acquisition by 20% by collecting data from heterogeneous sources and constructed a single relational database.
- Increased customer retention rate by 4% by developing Loyalty Programs for each customer segment.
- Implemented an inventory forecasting model using moving averages analysis on Excel and summarized historical purchase data to help the executive team better negotiate with vendors.
- Gathered meaningful insights and developed KPIs and metrices to drive and accelerate growth and profit.
- Helped regulate the demand of the client's products. Developed and presented reports to stakeholders that resulted in 14% higher revenues and margins.
- Tools used SQL, MS Excel, Tableau, SAS, R

PROJECT EXPERIENCE

SOCCER EA SPORTS FIFA20 ANALYSIS USING PYTHON

- This project contained data from FIFA20 on over 18,000 international soccer players and 75 features.
- Used Linear Regression, Lasso, Ridge, Polynomial Regression to predict the Overall rating of a player.
- Trained several machine learning algorithms for Regression (K-Neighbors, Decision Tree, Support Vectors) to find the best model based on accuracy.
- Implemented ensemble methods like Bagging, Pasting, AdaBoost and Gradient Boost to improve test scores.
- Performed dimension reduction using PCA to further improve scores.

SNACK FOODS MARKET ANALYSIS USING SCANNER DATA IN SAS

- This project contains scanner data on the sales of snack foods across United States.
- Performed Customer Segmentation using RFM Analysis to classify customers.
- Tested different hypotheses like effect of advertising on switching, effect of product characteristics on loyalty, etc.

CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING IN PYTHON

- This dataset contained transactions made by credit cards in September 2013 by European cardholders.
- Most of the features contained are principal components generated by PCA to protect confidentiality of the customers.
- Performed data cleaning and built classification models to predict fraud (Class = 0/1).

RAINFALL IN AUSTRALIA ANALYSIS USING MACHINE LEARNING IN PYTHON

- This project contained about 10 years of daily weather observations from numerous Australian weather stations.
- Trained several machine learning algorithms for Classification to predict next day's rainfall based on 23 features.
- Implemented ensemble methods and dimension reduction techniques like PCA to improve scores.

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CENSUS-INCOME DATABASE ANALYSIS USING PYTHON

- This project contained data on weighted census data extracted from the 1994 and 1995 population surveys by US Census Bureau.
- Visualized how income is controlled by race, age and gender. Explored how these factors discriminate female role in employment.
- Compared models on basis of accuracy scores, Sensitivity and Specificity, AIC and BIC values.
- Recommended targeting the 6% population with income >50k for fundraising and starting campaigns for women empowerment.

SALES DATABASE ANALYSIS USING SQL

- This project contained data on the operations and sales activity and other technical details pertaining product orders and sales.
- Performed data wrangling, data normalization and created Entity Relationship Diagram.
- Retrieved data by running several SQL queries to understand the data.

TELCO CUSTOMER CHURN ANALYSIS USING R

- This project centered on the behavior of telecom customers who are plausibly leaving the current subscription platform.
- Predicted most striking behavior of customers, to increase retention.
- Recommended cost savings of 87% by implementing predictive analytics on user churn in the telecom industry.

TRUCK FLEET BIG DATA ANALYTICS IN HADOOP ECO SYSTEM

- The objective is to identify dangerous commercial truck drivers to reduce accidents that cause injuries and deaths across US.
- Performed exploratory data analysis to find key insights like which truck driver has the highest risk factor across location and time.
- Visualized and created reports by integrating HDFS with Tableau

CERTIFICATES

- **Certificate, AWS Data Analytics Fundamentals**

- **Certificate, Tableau Desktop**

- **Data Science Analytics Certificate, 2020**
  Sports Management Worldwide; Portland, Oregon, USA
  Training included: an in depth look SQL, R, and Python, roles of analytics and data science in sports, data management, data sourcing, and how to present this knowledge to team players and front office in order to use in game. (Mentored by Scoutables Founder, Ari Kaplan)
  Reference: Dr. Lynn Lashbrook, President, Sports Management Worldwide, 503-445-7105

EDUCATION

Bachelor of Science – Devi Ahilya University, India – 2018
Concentration: **Business Administration and Analytics**

Master of Science – The University of Texas at Dallas – 2020
Concentration: **Business Analytics Data Analytics and Data Science**