Kshitiz Kharel

2028 Blue Rock Dr, Tampa, Florida,33612 (813) 205-0239

Email Portfolio Website

EDUCATION

University of South Florida, Tampa, FL   **Aug 2020-May 2023**

Master of Science in Business Analytics and Information Systems **(CGPA – 3.77)**

Coursework: Database Management, Data Mining, Data Science Programming, Analytical methods of Business, Big Data for Business, Data Visualization, Statistical Data Mining

SKILLS

Technical Skills

Programming Languages: Python, R

Databases: MSSQL, Oracle, MYSQL

Tools: R Studio, Tableau, MS Excel, AzureML, Power BI, DAX**,**
   Visual Studio, Jupyter Notebook, PySpark

Libraries: Numpy, Panda, ggplot2, scikit-learn

Cloud Platform: AWS services such as Redshift, S3, QuickSight, EC2, RDS

Interpersonal Skills

Quick Learner, Strong communication and Analytical skills, Attention to detail, Problem solving.

ACADEMIC PROJECTS

Price Optimization Model on an Air Passenger Data   **2022**
- Imported data available in Airline Origin and Destination Survey (DB1B) provided by the Bureau of Transportation Statistics.
- Performed data selection, extraction, cleaning, and exploratory data analysis using different statistical techniques.
- Implemented Boosted Decision Tree Regression and Decision Forest Regression in AzureML.
- Performed different parameters tuning to predict the prices and accessed the model.
- Evaluated the model using metrics such as Root Mean Squared Error(RMSE) and Coefficient of Determination.

Online Retail Promotions - A retail analytics problem project report   **2022**
- Conducted analysis to determine the potential influence of various predictors on the target variable.
- Developed three top-performing regression models incorporating multiple interactions among the predictors.
- Assessed the regression assumptions(LINE) and identified the best model that met all the necessary criteria.
- Analysed the impact of different predictors on the target variable and reported the statistically significant metrics affecting the dependent variable.

Apartment Management Data Warehouse   **2023**
- Designed Enhanced Entity Relationship Diagram (EERD), Relational Schema and created schemas and tables as OLTP database in SQL Server Management Studio (SSMS) for a fictious apartment management company.
- Designed OLAP database with STAR schema data modelling to create a data warehouse in Amazon Redshift.
- Connected SSMS to Jupyter notebook and extracted data from OLTP database and performed transformation using pandas and SQL queries and loaded the data into s3 bucket. (ETL)
- Created AWS Glue job to run the python script to create schema and export data from s3 to Redshift data warehouse.

WORK EXPERIENCES

Field Monitor and Evaluator | Helvetas Swiss Inter Cooperation   **Sep 2018-Sep 2019**
- Conducted data analysis resulting in the successful placement of 6000 youths in the industry, with a 70% placement rate.
- Facilitated trainings across multiple institutions, resulting in a 25% improvement in the training performance.
- Offered recommendations to the management team, leading to a 20% increase in client retention rate through revised strategies.

Finance Associate | Machnet Technologies Inc.   **Feb 2018 – Sep 2018**
- Prepared monthly financial reports and statements using QuickBooks, ensuring accurate interpretation of financial data.
- Resolved customer tickets regarding financial transactions, maintaining a 95% resolved cases.
- Utilized Pivot Table to analyse daily financial transactions across platforms, improving efficiency in reporting.

Market Analyst | 24/7 Health and Beauty   **Sep 2017-Nov 2017**
- Collected market data on customer flow and proximity to key landmarks in various locations, resulting in a comprehensive analysis of customer demographics in the area.
- Utilized Tableau to visually analyse and evaluate potential locations, ultimately recommending an option with an estimated 30% higher advantages compared to others.