

Kshitiz Kharel

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(Willing to Relocate at own expense)

[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)

SKILLS

Data Analysis and Visualizations – SQL, R-Studio, MS Excel, Tableau, Tableau Prep, PowerBI

Libraries – Numpy, Pandas, ggplot2, Matplotlib, Seaborn, scikit-learn

Cloud Platform: Redshift, S3, QuickSight, EC2, RDS, AzureML

Programming Languages: Python, R

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

ACADEMIC PROJECTS

Console Games Database (Python, SQL, Machine Learning)

2023

- Used Python to Web Scrape, merge data from various sources and clean the data to create a game database with data integrity constraints and performed extensive data analysis using advanced SQL queries.
- Implemented performance tuning strategies, such as indexing, resulting in 8% reduction in performance costs.
- Developed a classification model using logistic regression and neural networks to analyze game prices, enhancing the predictive accuracy of the model by 3%. ([Link](#))

Apartment Management Data Warehouse (SQL, Python, AWS)

2022

- Designed Enhanced Entity Relationship Diagram, Relational Schema, and schemas/tables and created OLTP database in SQL Server Management Studio (SSMS) and populated dummy data.
- Developed an ETL process connecting SSMS to Jupyter Notebook, enabling efficient data extraction, transformation, and loading into an S3 bucket.
- Implemented AWS Glue job to execute a Python script, automating schema creation and data export from SSMS to Redshift data warehouse, reducing manual effort. ([Link](#))

Online Retail Promotions - A retail analytics problem (Excel, R, Python)

2022

- Developed three top-performing multivariate regression models using R-studio, incorporating multiple interactions among the predictors to identify customer spending factors after promotional campaign.
- Assessed the regression assumptions (LINE) and identified the best model that met all the necessary criteria.
- Analyzed the impact of different predictors on the target variable and reported the statistically significant metrics affecting the dependent variable from the best model.

WORK EXPERIENCES

Field Data Analyst | Helvetas Swiss Inter Cooperation

Sep 2018-Sep 2019

- Collected and analyzed data to assess industry demands for Technical and Vocational skills and facilitated the development of targeted training programs to bridge the workforce supply-demand gap.
- Developed 10+ Power BI dashboards and identified KPIs, and made decisions based on the insights, resulting in a 70% placement rate for 6000+ youths in the industry.
- Analyzed data to identify areas for improvement, facilitated informed decision making, driving to a substantial 25% improvement in training performance.
- Utilized advanced SQL queries for data extraction and analysis, offering recommendations that contributed to a 20% increase in client retention rate through revised strategies.

Data Associate/Finance | Machnet Technologies Inc.

Feb 2018 – Sep 2018

- Identified discrepancies in the status of transactions in company's internal system and client's system using VLOOKUPs, coordinated with the IT team, resulting in a 20% decrease in pending cases and improved operational efficiency.
- Created Pivot Tables integrating multiple Excel sheets using Power Query for client's daily transactions, reducing reporting time and enabling quick analysis of key financial metrics.

Business Analyst | 24Seven Health & Beauty

Sep 2017-Nov 2017

- Collected data for Location Feasibility Analysis, transformed it into actionable datasets. Utilized Tableau to visualize findings and identify key performance indicators (KPIs) to assess potential advantages and risks associated with each location.
- Recommended the optimal location with a 30% competitive edge over other options, resulting in the current successful operations.