Kshitiz Kharel

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EDUCATION

University of South Florida, Tampa, FL   **Aug 2020-Ongoing (Expected Graduation - May 2023)**
Master of Science in Business Analytics and Information Systems **(CGPA – 3.75)**
Bootcamps: R, Python, University of South Florida.
Coursework: Database Management, Data Mining, Data Science Programming, Analytical methods of Business, Big Data for Business, Data Visualization, Statistical Data Mining
Kathmandu University, Kathmandu, Nepal   **2013-2017**
Bachelor of Business Administration
Coursework: Finance, Statistics, Economics, Marketing

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

PROJECTS

Price Optimization Model on an Air Passenger Data   **2021**
- 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 and Coefficient of Determination.

Online Retail Promotions - A retail analytics problem project report   **2022**
- Performed hurdle model on poisson distribution to understand the effectiveness of a retail company's promotion campaign
- Campaign directed at customers who bought men's products last year had 29% less effect on spends relative to no campaign.
- Men's campaign directed at customers who bought women's product last year had a -17% effect.
- Campaigns seem to have the best effects if directed at new customers rather than at customers who bought products over the last year.

Apartment Management Data Warehouse   **2022**
- Designed an OLTP database in SSMS with ERD, EERD and RS data modelling.
- Created schemas and tables with keys and indexes defined.
- Designed OLAP database with STAR schema modelling technique.
- Wrote python script for ETL processes and initially loaded data into s3 bucket.
- Created AWS Glue job to run the script to export data from s3 to Redshift data warehouse.

WORK EXPERIENCES

Field Monitor and Evaluator | Helvetas Swiss Inter Cooperation Nepal   **Sep 2018-Sep 2019**
- Collected data considering the need for Technical and Vocational skills and the demand for the skills required by industries.
- Analysed and visualized data creating Tableau dashboards, and Python libraries to present the findings to my supervisor.
- Made decisions regarding the proper implementation of the training addressing the gap in skills required by industries.
- Trained over 6000 youths through training providers' institutions and successfully connected 70% of youths to the industry.
- Answered management questions related to client's performance and drawbacks.
- Increased training performance of Training Providers by 25% by providing effective recommendations.

Market Analyst | 24/7 Health and Beauty   **Sep 2017-Nov 2017**
- Conducted Market and Location Feasibility Analysis
- Collected customers flow, proximity to pertinent landmarks and market demographics data within the close proximities of different locations.
- Prepared and refined the collected data into useful datasets.
- Utilized Tableau to visualize and analysed the potential advantages and risks pertaining to each location.
- Proposed the best fit location which had a 30% higher advantage than any other locations, where it is successfully operating presently.