Shraddha Thakkar

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SUMMARY

A graduate student with a specialization in Analytics and data-driven mindset. Passionate to learn and build strategies for challenging problems implementing Data Analytics, Business Intelligence, Data Engineer, and Machine Learning concepts

EDUCATION

Northeastern University, Boston, MA September 2018 - March 2020
Master's in Informatics (Concentration in Analytics)

Gujarat Technological University, India July 2014 - May 2018
Bachelor of Engineering in Information Technology

SKILLS

Programming Languages: Python (NumPy, Pandas, Matplotlib, Scikit-learn, Seaborn), R (ggplot, dplyr, plotly), SQL, HTML, CSS
Databases: MySQL, PostgreSQL, Oracle 10g, Microsoft SQL Server
Data Integration/ETL: Talend, SQL Server Integration Services (SSIS), Alteryx, ER/Studio
Data Visualization: Tableau, Power BI, Microsoft Excel (Pivot table, Pivot Charts, V lookups, VBA)
Cloud: Amazon Web Services (IAM, S3, DynamoDB, Lambda)
Machine Learning: Regression, Classification, Decision Trees, Random Forest, KNN, K-means clustering, PCA

WORK EXPERIENCE

Northeastern University, HRM Department (Industrial Project) | Business Analyst January 2020 - March 2020

- Engaged with the stakeholders and tech teams to build meaningful and impactful solutions in an iterative manner
- Communicated with the users and worked with the management and employees to understand the requirements
- Conducted users' interviews, gathered and analyzed their data to understand needs and behavior pattern of the focus group thereby synthesizing the findings by creating an empathy map and personas
- Build metrics and business cases to improve customer experience for the learning and organization development page
- Created 10+ prototypes, redesigned the website and came up with a solution to increase accessibility and usability for the webpage thereby resulting in a 10% increase in the bounce rate

ChainAim Corporation, Northeastern University (Industrial Project) | Student Researcher April 2019 - June 2019

- Interacted cross-functionally with the key stakeholders and peers to gather and define technical project requirements
- Determined an appropriate method to analyze pharmaceutical data operations and relevant information
- Documented findings, prepared reports and developed new processes and procedures to enhance operations
- Ensured successful deliverables by leveraging various technical tools like SQL, Microsoft Excel, and Python
- Identified the shortcomings and offered proactive recommendations to help drive client business development
- Established and maintained quality standards thereby presenting and reporting the findings to the client

URO Classes, Vadodara, India | Engineering Intern January 2018 - April 2018

- Developed a website named E-CARE using ASP.NET, C#, MySQL, HTML5, and CSS3 to establish a direct link between healthcare facilities and services using Agile methodology
- Introduced features like automating patient enrolment, tracking patient's treatment history and integrated automatic personalized notification with a dynamic response when medical reports are generated

PROJECTS

github.com/shraddha0796

Retail Data Warehouse (Talend, Tableau, PowerBI, SQL, Alteryx, ER/Studio)

- Designed a data warehouse (Snowflake Schema), pipelined and integrated large dataset of 40 million records from multiple sources (CSV, MySQL, MS SQL Server, Oracle) using ETL techniques on Talend Open Studio
- Executed Slowly Changing Dimensions (SCD) to maintain historical records, and Error Handling
- Devised various performance tuning techniques, thereby resulting in a total integration time of 22 minutes
- Built interactive dashboards to analyze retail sales and business insights using Tableau and Power BI

Predicting Re-admission of a Diabetic Patient (Python, Machine Learning Algorithms, SMOTE)

- Performed quantitative analysis and built visualization to find hidden insights from a dataset using python packages
- Manipulated data, developed statistical models (Logistic Regression, Decision Trees, Random Forest) and balanced data using SMOTE analysis, thereby improving an accuracy to 89%

Serverless Cloud Application (Python, AWS- s3, Lambda, DynamoDB)

- Configured Lambda function to be triggered on s3 events and publish logs to CloudWatch
- Executed python lambda handler to store all s3 event metadata in DynamoDB

Exploratory Analysis of Pet Adoption (Tableau, SQL, Excel, R)

- Performed SQL queries to fetch the data of a Malaysian Government from a large data set and created an Excel file
- Implemented script-based calculation and Advanced Excel formulas to manipulate data and performed data cleaning
- Built appealing visualizations/dashboards on tableau and a storytelling document for future campaign reference

Boston- Is it safe? (Data Analysis, Data Mining – RStudio)

- Loaded, cleaned, and converted data into actionable insights of Boston crimes from period 2015-2018. Conducted Exploratory Data Analysis (EDA) and Hypothesis Testing in order to analyze different result from the dataset
- Used Time Series Analysis (ARIMA model) to predict the crime rate for 2019, stated results with 99% confidence interval