SHRADDHA THAKKAR

Boston, MA | (857)-891-7223 | shraddha.thakkar0796@gmail.com | linkedin.com/in/shraddha-thakkar8/ | shraddhathakkar.me/

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 Engineering, and Machine Learning concepts

EDUCATION:

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

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

TECHNICAL SKILLS:

Programming Languages:	Python (Numpy, Pandas, Matplotlib, sklearn, Seaborn), R (ggplot, dplyr, plotly), SQL, HTML, CSS
Databases:	MySQL, MS SQL Server, Oracle, PostgreSQL
Data Integration/ETL:	Talend, SQL Server Integration Services (SSIS), Alteryx, ER/Studio
Data Visualization:	Tableau, Power BI, Microsoft Excel (Pivot Tables, Pivot Charts, V lookups)
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,** Boston, MA **| Business Analyst** — April 2019-June 2019

- Communicated with the stakeholders and tech teams to understand requirements and build solutions
- Conducted users' interviews, gathered and analyzed their data to create an empathy map and personas through research on behavior pattern of the focus group
- Built metrics and business cases to improve customer experience by creating 10+ prototypes, came up with the solution to increase accessibility and usability of the webpage; resulting in a 10% increase in the bounce rate

Chainaim Corporation, Northeastern University, Boston, MA **| Data Analyst** — May 2018-August 2018

- Interacted cross-functionally with the key stakeholders and peers to define technical project requirements
- Analyzed pharmaceutical data operations and relevant information using SQL, Microsoft Excel, and Python
- Identified shortcomings and offered recommendations to help drive client business development
- Drafted proposals, user manual and conducted meetings between the sponsor and project team
- Ensured successful deliverables, documented findings, and presented results to the client

Uro Technology, Vadodara, India **| Engineering Intern** — January 2018-April 2018

- Developed website named E-CARE using ASP.NET, C#, MySQL, HTML, and CSS to establish a direct link between healthcare facilities and services using Agile methodology
- Introduced features like automating patient enrolment, tracked 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, SSIS, Tableau, PowerBI, SQL)

- 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 insight using Tableau and Power BI

Predicting likelihood of e-signing a loan based on financial history (Python, Machine Learning Algorithms)

- Performed quantitative analysis and built visualization to find hidden insights from dataset using python packages
- Manipulated data, developed statistical models (Logistic Regression, SVM, Random Forest) thereby improving an accuracy from 56.2% to 63.5%. Performed analysis using Jupyter notebook

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

- Loaded, cleaned, and converted data into actionable insights of boston crimes (2015-2018)
- Conducted exploratory data analysis (EDA), implemented hypothesis testing and predicted crime rate for 2019 using time series analysis (ARIMA model)

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

- Queried in SQL to fetch data of Malaysian Government
- 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