SHRUTIKA SINGODIA

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EDUCATION

Boston University, Boston, MA Sep 2019 – Dec 2020
Master of Science | Computer Information Systems, GPA: 3.6

Rajiv Gandhi Proudyogiki Vishwavidyalaya, India Aug 2012 – Jul 2016
Bachelor of Engineering | Computer Science Engineering, GPA: 3.80

CERTIFICATIONS

Amazon Web Services (Data Analytics Fundamentals), **Data Camp** (Introduction to R and Python for Data Science), **Coursera** (SQL for Data Science), **Google Analytics** (Google Analytics Academy), **Microsoft Excel** (Udemy)

TECHNICAL SKILLS

Databases: MySQL, Microsoft SQL Server, Oracle, PostgreSQL
Programming Languages: Python (Numpy, Pandas, Matplotlib, Sklearn, Seaborn), R (ggplot, dplyr, plotly), SQL, HTML, CSS
Data Integration/BI/ETL: Talend, SQL Server Integration Services (SSIS), Alteryx, ER/Studio
Data Visualization: Tableau, Microsoft Power BI, Microsoft Excel (Pivot Tables, Pivot Charts, V lookups), SAS
Machine Learning: Regression, Classification, Decision Trees, Random Forest, KNN, K-means clustering, PCA
Cloud: Amazon Web Services (IAM, S3, Lambda, DynamoDB, RedShift)
Other: GIT, JIRA, Jupyter Reports, SDLC, AWS, Agile (SCRUM), Word, Power Point, Scrapy, Microsoft Project, Kanban

WORK EXPERIENCE

Boston University, Boston, MA | Research and Teaching Assistant Aug 2019 – Present

- Implement an online review system for 45 students to analyze their performance based on difficulty of the questions and provide them with an insightful report on class performance and statistics for every question
- Predict and model an outcome of breast cancer treatment by implementing patients' record database and analyzing reports in collaboration with Mass General Hospital

WebCraft IT, Indore, India | Data Analysts Jun 2016 – May 2019

- Achieved ownership of a project after creating and optimizing Jupyter reports with Python & SQL queries to reduce the execution time by 60%. Created database schema with final dataset of more than 35 tables using SQL.
- Saved analyst's 70% of time by providing monitoring and storage services using PostgresDB for heuristic analysis of network usage. Analyzed data operations using SQL, Microsoft Excel (Pivot Tables, V lookups), and Python
- Interacted with stakeholders, elicited requirements, analyzed data, reported results and provided 89% accuracy
- Built and executed backup recovery procedures for metrics reports resulting in 56% of accuracies

WebCraft IT, Indore, India | Business Analyst Intern April 2014 - May 2016

- Redesigned fulfillment processes and protocols, saving company a minimum of $15 million, implemented a CRM process using MS Dynamics that reduced refunds by 32% and labor cost of $2.5 million
- Communicated with the stakeholders, conducted users' interviews to and create an empathy map and personas
- Analyzed data and prepared reports proactively for meetings and increased an efficiency of the workflow by 25%
- Built metrics and business cases to improve customer experience by creating 10+ prototypes

PROJECTS

Business Intelligence & Data Warehousing ***(ETL) (Tableau, MySQL, Excel, Python)*** Spring 2020

- Collected and cleaned the credit disbursal datasets from world bank and performed data modeling using Erwin
- Implemented ETL with Pentaho, analyzed data with SQL and Excel, and Visualized the financial capacity of load related features by creating interactive dashboards on Tableau

*Patient No Show-up Classifier (****Weka, R, JMP)*** Spring 2020

- Ran 5 feature-selection algorithms and deployed 5 classifiers Random Forest, Simple Logistic, J48, Naïve Bayes
- Performed Data Cleaning, Data Exploration, Feature Engineering, and Exploratory Data Analysis to develop statistical models (Logistic Regression, Decision Trees, Random Forest) on 100,000+ rows of a Weka dataset

*Data Analysis of Amazon (****MySQL Workbench, Microsoft SQL Server, Tableau****)* Fall 2019

- Reviewed data and business functionalities of Amazon Inc by developing SQL queries and Modeled Entity Relationship while preparing dashboards on Tableau for data visualization and meaningful analysis
- Normalized database to 3NF and implemented views, Stored Procedures, Functions, Triggers, Common Table Expressions, Sub Queries, Joins, Windows functions, and encryption of critical data using MD5

*Stock Market Analysis (****Python, sklearn, numpy, pandas, matlabplotlib, pylab)*** Fall 2020

- Program Implemented various regression models and clustering techniques for buying and selling of stocks on stock market data using pandas, to generate report to identify the best strategy. (logistic and linear regression, KNN, K-means, Naïve Bayesian, SVM and decision tree)