PARESH VALA

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EDUCATION

Northeastern University, Boston   September 2018 – Present
Master's in Analytics
Course work: Probability Theory and Statistical Analysis, Predictive Analysis, Database management systems, Intermediate Analytics, Communication/ Visualization for Data Analytics

Gujarat Technological University, Gujarat, India   Sep 2014 - May 2018
Bachelor of Engineering in Information Technology (IT)
Course work: Data Structures, Data compression and data retrieval, Data mining and BI

SKILLS

Programming Languages: R, Python, Java, PHP
Tools: Tableau, Eclipse, R Studio, Android Studio, Qlik Sense, PowerBI, Google Analytics
MS Office: Excel (Macros, Pivot tables, Data Analysis Tool pack, Solver), MS PowerPoint, MS Word
Data skills: Data Cleaning, Modeling, Preprocessing, Mining, Visualization, ETL
AWS: S3, EC2, Quick Sight, Athena, VPC, RDS, RedShift
Big Data: Hadoop, Hive, Pig, Spark
Databases: MySQL, PostgreSQL

WORK EXPERIENCE

Teaching Assistant (Northeastern University, Boston, MA)
Intermediate Analytics   Sep 2019 - Dec 2019
Web and Mobile Development   Jan 2019 - Mar 2019
- Designed assignments and classwork with concepts like Normalization, SQL Joins, Functions, Regression and Prediction models, R language functions and methods, etc.
- Solved queries of the 50+ students by scheduling difficulty solving gatherings each week.

Android Developer Intern (ARVI, GJ, India)   July 2017 – May 2018
- Developed a mobile application and web portal to collect data from an RFID tag followed by preparing the received data for real-time and automatic updates in a database.
- Designed and developed the SQL Server database to retrieve and collect data form web and mobile applications.

ACADEMIC PROJECTS

Sentiment Analysis (tweepy)   May 2020
- Extracted and Cleaned tweets of President Trump using tweepy and textblob in Python.
- Calculate subjectivity and polarity to identify positive tweets followed by visualization.

Sales and Fright Cost Analysis   Jan 2020 – Mar 2020
- Extracted, Cleaned and Pre-Processed large scale data using Excel and Python. Executed Sales Forecasting process.
- Built dynamic dashboards (PowerBI) showing trends in sales worldwide.
- Marked 8% cut in overall freight expense of ConMed when the recommendations are implemented.

Bike Rental Prediction Model   April 2019
- Predicted trends in number of bike rentals based on different weather conditions.
- Designed predictive models with accuracy of 82% using Random Forest and Time series approaches to predict the future number of rentals of the company.

Smart School Bus System   June 2017 – April 2018
- It's a system which will automate the School bus management system and compute the appearance of students and driver automatically using the RFID card.
- Parents can track the bus, check their child's attendance, and get forecasted Estimated Arrival Time. This provides Safety to the students and formulate transparency between school and parents.