PARESH VALA

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EDUCATION

Northeastern University | Boston, MA   Sep 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
Course work: Data Structures, Data compression and Data Retrieval, Data Mining

SKILLS

Programming Languages: R, Python, Java, PHP, C++
Tools: Tableau, 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

Northeastern University | Boston, MA   Sep 2019 – Dec 2019
Teaching Assistant
- Assisted Professor Designing assignments and classwork based on concepts like Normalization, SQL Joins, Functions, Regression and Prediction models, R language functions, and methods.
- Arranged Office hours to solve student's queries regarding course & provide constructive feedback.

ARVI | Ahmedabad, India   Jul 2017 – Jun 2018
Database Developer Intern
- Developed a database for 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 the SQL queries to retrieve & store data into web & mobile applications.

.NET Xpert Web Solutions | Vadodara, India   Jun 2017 – Jul 2017
Web Developer Intern
- Responsible for managing and scaling a website. Created website user interfaces by standard HTML/CSS, Bootstrap practices. Integrated data from multiple back-end sources and databases.

ACADEMIC PROJECTS

Sentiment Analysis (tweepy)   Feb 2020 - May 2020
- Collected and Cleaned tweets of President Trump using tweepy and text blob libraries in Python.
- Calculate subjectivity and polarity to identify positive tweets followed by dashboard visualization.

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

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

Smart School Bus System (Gujarat Technological University)   Jun 2017 – Apr 2018
- Developed a system which automates the School bus management system and computes the appearance of students & driver automatically using the RFID card and JSON for real-time updating.
- Parents can track the bus and get forecasted Estimated Arrival Time. This provides Safety to the students and formulates transparency between school and parents.