

PARESH VALA

+1-857-300-9853 | vala.p@northeastern.edu | linkedin.com/in/pareshvala | github.com/pareshvala

EDUCATION

Northeastern University, Boston, MA

Sep 2018 – Jun 2020

Master's in Analytics

Course work: Predictive Analysis, Database management systems, Probability Theory and Statistical Analysis

Gujarat Technological University, Gujarat, India

Sep 2014 – May 2018

Bachelor of Engineering in Information Technology

SKILLS

Programming Languages: Python (NumPy, Pandas, Matplotlib, Sklearn), R, Java, PHP, HTML

Tools: Tableau, Android Studio, PowerBI, Google Analytics, Excel (Macros, Data Analysis Tool pack, Solver)

Data Skills: Data Cleaning, Modeling, Preprocessing, Mining, Visualization, ETL

Machine Learning: Linear and Logistic Regression, Classification, Decision Trees, Clustering

AWS: S3, EC2, Quick Sight, Athena, VPC, RDS, RedShift

Big Data: Hadoop, Hive, Pig, Spark

Databases: MySQL, PostgreSQL

WORK EXPERIENCE

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

- Recognize and deployed significant web customization, reducing the average bounce rate of pages to 30%.
- Responsible for managing and scaling a website. Improved website user interfaces by standard HTML/CSS, Bootstrap practices. Integrated data from multiple back-end sources and databases.

LEADERSHIP AND PROFESSIONAL EXPERIENCE

Northeastern University | Boston, MA

Sep 2019 – Dec 2019

Graduate Teaching Assistant

- Collaborated closely with a professor to develop a course structure and give feedback by evaluating student's doubts and assignments.
- Gathered effective listening skills by interactions with learners in a cross-cultural classroom environment. The modified description according to student's knowledge resulting in strengthened communication skills.

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 Freight Cost Analysis (Northeastern University)

Jan 2020 – Mar 2020

- Extracted, Cleaned, and Pre-Processed large scale data in Excel and Python. Executed Sales Forecasting process.
- Built dynamic dashboards in PowerBI showing trends in sales worldwide.
- Achieved 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.