Paresh Vala
Data Engineer, Data Analyst, Certified AWS Cloud Practitioner
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EDUCATION

Northeastern University, Boston, MA   Sep 2018 – Jul 2020
Master's in Analytics (GPA: 3.7/4.0)
Teaching Assistant: ALY6015 Intermediate Analytics, **INT2400** Web & Mobile Development

Gujarat Technological University, Gujarat, India   Sep 2014 – May 2018
Bachelor of Engineering in Information Technology (CGPA: 8.03/10.0)

WORK EXPERIENCE

RedCrow | Boston, MA   Apr 2020 – Jul 2020
Data Analyst – Capstone Project
- Developed a Recommendation Engine through 'collaborative' and 'content' driven AI algorithms, to match the right investor with the right startup at the right time.
- Trained model to facilitates new users who do not have any history on the sponsor platform with more generalized recommendations.
- Built web application for the model using Flask and deployed on AWS EC2 instance. Configured AWS services like S3, IAM, Cloud-front, Route 53 for supporting web application operations.

ARVI | Ahmedabad, India   Jul 2017 – Jun 2018
Database Analyst Intern
- Planned a database schema 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, improved system performance by 35%.

DOT 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 20%.
- Responsible for managing and scaling a website. Improved website user interfaces by standard HTML/CSS, Bootstrap practices, and A/B testing resulted in an increase of 27% in conversion rate.

TECHNICAL SKILLS

Programming Languages:	Python (NumPy, Pandas, Matplotlib, Scikit-learn), R (dplyr, ggplot2), HTML, CSS, JavaScript
BI Tools:	Tableau, PowerBI, Google Analytics, MS Excel (Macros, VBA, VLOOKUP, Pivot Table)
Analysis Skills:	Data Cleaning, EDA, Modeling, Preprocessing, Mining, ETL, Pattern Recognition
Machine Learning:	Linear and Logistic Regression, Classification, Decision Trees, Predictive Modeling, KNN
Cloud Technology:	AWS S3, EC2, Quick Sight, Athena, VPC, RDS, RedShift
Other:	Hadoop, Hive, Pig, RestAPI, MySQL, PostgreSQL, Oracle, Data Structure, JIRA

PROJECTS

Data Visualization on 'Corona Virus' Tweets (Text mining, Sentiment Analysis, Visualization)   Feb 2020 - May 2020
- Collected and Cleaned tweets about COVID-19 from President Trump's Twitter handle using tweepy and text blob libraries in Python. Plant a data pipeline to automate update of dashboard on daily basis.

XN Project: Sales and Fright Cost Analysis (R, MS Excel, Descriptive/Statistical Analysis)   Jan 2020 – Mar 2020
- Extracted, Cleaned, and processed large scale data in Excel and Python. Executed Sales Forecasting process.
- Built interactive dashboards in PowerBI and Tableau showing trends in sales worldwide.
- Achieved an 8% cut in overall freight expense of ConMed after implementing recommendations provided.

Bike Rental Prediction Model (Python, Predictive Modeling)   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 (Web and Android application, JSON, RFID, PHP)   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 see forecasted Estimated Arrival Time. This provides Safety to the students and formulates transparency between school and parents.