

SARITA PATEL

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SUMMARY OF QUALIFICATIONS

- Data-driven Analytics professional with 5 years of experience in Data Analysis, Business Intelligence, and Data Science.
- Expertise in extracting actionable insights by analyzing data using Statistical Analysis, Predictive Modeling & Forecasting, Data Mining, Machine Learning, and Visualization tools and techniques.
- Experienced in modeling and managing Big Data using Databases, Data Warehouse, Hadoop, Hive, and Cloud Computing services, and wrangling data using programming and scripting languages and ETL tools.
- Proficient at defining and solving Data Science and Analytics problems aligning business requirements or strategies.

TECHNICAL SKILLS

Data Science Technique: Statistical Analysis, Machine Learning, Regression, Dimensionality Reduction, Classification, Clustering

Data Science Libraries: NumPy, Pandas, SciPy, Scikit-Learn, Keras, TensorFlow, Matplotlib, Seaborn, Dplyr, Ggplot2

Data Processing and Management: Teradata, PostgreSQL, MongoDB, Cassandra, Hadoop, Hive, Informatica, Ab Initio, AWS

Data Analysis and Visualization: R Studio, SAS, SPSS, Jupyter Notebook, MicroStrategy, Tableau, Excel, Watson Analytics, AWS

Programming Languages and Tools: SQL, Python, R, Shell Script, Git, Eclipse, HP Quality Center, BMC Remedy, MS Office

Operating System: Windows, Linux, macOS.

EDUCATION

Master of Science in Data Science	DePaul University Chicago, IL	Aug 2020
Bachelor of Engineering in Computer Engineering	University of Mumbai Mumbai, India	May 2012
Diploma in Computer Engineering	University of Mumbai Mumbai, India	May 2009

PROFESSIONAL EXPERIENCE

DePaul University **Chicago, IL**
Student Office Assistant and Technician Jan 2019 – Present

- Provide administrative support to the Office Manager and faculty at The School of Public Service (SPS) and assists students and alums by responding to inquiries and serving as the first point of contact for visitors and guests.
- Review and manage equipment requests for the DePaul's Cinespace students and staff using web checkout software.

Accenture

Mumbai, India

Software Engineer, BI and Data Dec 2012 – Apr 2018

- Liaised with business analysts and developers to scope requirements for Data Warehousing and BI reports for clients.
- Analyzed source systems and led data discovery sessions with the analysts to uncover data realities and collaborated with the Data Architects and ETL Developers to review the Data Warehouse design and ETL transformation rules.
- Executed jobs to load data in the Data Warehouse from Mainframes and Legacy Systems using proprietary ETL tools.
- Automated the process of generating Monthly and Quarterly Sales reports using MicroStrategy BI Reporting.
- Created Test Plans and designed and executed Test Cases using HPQC and conducted Unit, Performance, Integration, and Regression Testing on the data loaded during the extraction, transformation, and load phase of the job.
- Performed Data Validation and ensure correct data aggregations are applied, consistent with the data requirements.
- Actively participated in Defect Triage meetings and daily status calls with the client and business analysts.
- Performed missing sales analysis using SQL and Shell Scripts and provide post-production support by fixing defects.
- Received client appreciations and Accenture Celebrates Excellence, Accenture Greater Than, and Accenture High-Performance Delivered Awards for the continuous delivery of quality-tested Data Warehouse and BI solutions.

PROJECT EXPERIENCE

Iris Species Classification using Neural Network and Python

- Developed a Neural Network to train and classify flower species and improved model performance by tuning hyperparameters.
- Leveraged mathematical understanding of the Cost function (QuadraticCost, CrossEntropy, LogLikelihood), Activation function (Sigmoid, Tanh, ReLU, Softmax), Regularization (L1, L2) and Dropout rate and implemented it using Python.

Breast Cancer Classification using Python

- Developed an efficient classification model to classify Breast Cancers as benign or malignant.
- Applied various classification algorithms and selected the fastest and most accurate algorithm per the model evaluation.

Feature Extraction to Predict House Price Using R

- Explored the sample house pricing dataset, and analyzed and grouped the house features, impacting the house prices.
- Performed Cluster Analysis and LDA to categorize the houses using the above house features.

Winter Olympics Analysis Using Tableau

- Analyzed and explored the Winter Olympics Data to identify key trends using Visual Analytics in Tableau.
- Performed a comparison of participation trends by Male and Female Athletes over time by Country and Sports.

ONLINE TRAININGS AND CERTIFICATIONS

- IBM Data Science Professional Certificate (Coursera)
- Python for Data Analysis and Visualization (Udemy)
- Teradata 14 Certified Professional (Teradata)
- Oracle Database 10g SQL Training Certificate (Oracle)