



# Vikas Sawhney

Data Scientist | Business Analytics | Statistical Modeling  
Business Intelligence | Project Management

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## PROFILE SUMMARY

An independent, enthusiastic & detail-oriented professional with over **1 year of experience in Data Analytics, Statistical Modeling, Business Intelligence & Analysis, Process Enhancements and Project Management.** Worked as a **Data Analyst with Anilee Technologies.** **Key strengths include:** Providing **data-driven approaches** towards informed business decision-making through **data analytics, information visualization, process improvement and proactive solution assessment** | **Understanding complex business requirements** and translating them into data maps/models for the organization | Leading the design and maintenance of **business intelligence applications** to enhance decision-making capabilities | **Knowledge of using ML Algorithms** to predict, categorize, classify & finding polarity from the given datasets & minimizing the error | Creating management dashboards that **ensure accurate and robust reporting** across key business/project/initiative metrics. Reconciling information for multiple **stakeholders** while building **relationships** with them. Ability to adapt & learn quickly for changing technologies as well as demonstrated ability to work independently and without supervision as a team member. Target Industries: E-commerce, Healthcare, IT, Automobile, Defense & Aerospace:  
**Certifications:** IBM Certified Data Science Professional, Feb'20 | AWS Certified Solutions Architect Associate, Aug'23

## WORK EXPERIENCE

June 2019 – October 2019

Data Scientist Intern | Teradata, San Diego, California, the USA

- Worked in coordination with the team & the client to understand the business problem, meeting their expectations & delivering advanced data analytics report. Proactively recommended and influenced changes in business decision-making.
- Responsible for extracting/processing sales data, researching & testing ML algorithms to forecast sales & gained insights into data modelling techniques by implementing clustering (K-means) and time series algorithms.
- Built the Revenue Management System (to increase sales by demand forecasting & price recommendations), Statistical Models to predict the sales revenue using time series forecasting algorithms (ARIMA, Holt-Winters Model) & LSTM Recurrent Neural Networks (Vanilla and bidirectional). Championed writing complex SQL queries to extract the previous sales data.
- Formulated Interactive dashboard to automate the ML & Modeling Pipeline and implemented RNN and LSTM Neural Networks to group the data based on their regions which help to track the sales revenue. Recipient of the Fast Learner & the Best Performing Intern award, achieving 92% accuracy based on modelled Machine Learning Algorithms and the Recurrent Neural Networks(RNN)

## TECHNICAL PROFICIENCY

### Programming Language:

Python, R, SQL, Oracle, Java, Spark

### Data Science Libraries:

NumPy, Pandas, SciPy, Scikit-Learn, TensorFlow, Keras, OpenCV, Spark ML

### Data Mining & Visualization:

SAS JMP pro, Tableau, QlikView, Seaborn, Matplotlib, ggplot, Folium

### Big Data Tools and Technologies:

Hive, Hadoop, Spark ML

### Others:

Deep Learning, Machine Learning, Time Series Forecasting, Computer Vision, AWS, SPSS

## CORE COMPETENCIES

- Project Management
- Data & Statistical Modelling
- Business & Process Analysis
- Business Intelligence
- Deep Learning
- Neural Networks
- Time Series Analysis
- A/B Testing
- Decision Trees
- Regression
- Data Mining
- Clustering
- OpenCV
- Image Processing
- Template Matching
- Comparative Analysis
- Process Enhancement
- Forecasting/Planning
- Eye for Detail
- Logical Solutions

June 2017 – June 2018

Data Analyst | Anilee Technologies | Hyderabad

- Identified & pooled valuable data from various sources to extract, preprocess, analyze the data and deliver a seamless Business Intelligence Solution (feature engineering and selection) in collaboration with the data science team.
- Used business data/statistical methods to provide insights into the usage of products/business performance & suggested methods for improving process operations through interactive visualizations. Created, manipulated and normalized the data into the database.
- Delivered business results and meaningful insights using Predictive and Prescriptive analytics through Stats/R/Python/ ML techniques.
- Involved in BI development/implementations, data analysis (quantitative & qualitative) & managed BI applications (QlikSense & Tableau)

## ACADEMICS

**Pursuing: Master of Science in Business Analytics** from **California State University, East Bay**, Hayward, California, USA; (expected Dec 2020)

**2017: Bachelor Of Technology, Electronics and Communication Engineering** from Jawaharlal Nehru Technological University, Kakinada, India

**Projects Completed: Credit Card Fraud Detection (Feb– May'19)**–Devised a data mining process model to predict the variable response in fraudulent transactions & analyze the best one. Also, built a neural network model to compare the accuracy of the model with other data mining models |**Airline Twitter Analysis (May-Aug'19)**-Analyzed airline twitter (using NLP) to determine the performance of various airline services & understand which services lack customer satisfaction |**New York Taxi fare Prediction**-Used Python implementing ensemble ML algorithms (XGB)to implement the neural networks& predicted the forecasted the New York Taxi fare.

## EXTRA-CURRICULAR ACCOLADES:

- Student Body President (ECE department), JNTUK
- Volunteer at Bhoomi Foundation
- Hackathon participant- Cisco