

GAYATHRI NOWPADA

Data Scientist - Simplilearn

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Summary:

- Overall 7+ years of experience and one year masters program training in **Data Scientist, Data Analysis, Statistical modeling, Machine Learning, Data mining** with large data sets of Structured and Unstructured data by simplilearn
- Translated **complex business problems** into **structured analytic framework** and generated actionable **customer insights** using **advanced modeling and statistical techniques**
- Good in defining the **problems**, developing **data science, analytical algorithms & solutions** and devising **analytical models into production environments**
- Strong hands-on programming experience in **Python, ML** to analyze data sets including **data processing, Data manipulation, data transformation, variable construction, and optimization**
- Good Knowledge in **Data analysis, Machine Learning** with Python
- Good in writing **SQL queries** to extract data from **Oracle Databases**
- Ability to handle **multiple projects**
- Good verbal and written communication skills to communicate with business clients, senior management
- Good in creating interactive **dashboards** in **Tableau**.

Educational Profile:

- M.TECH (T. E) in Kakinada Institute of Technology & Sciences, J.N.T. University, Kakinada in 2016 with 82.50%
- B. TECH (M. E) in Gudlavalleru Engineering College, Gudlavalleru, J.N.T. University, Kakinada in 2012 with 80.00%
- Intermediate in Sri vidhya Jr College, Gudivada in 2008 with 94.00%
- S.S.C in Montessori High School, Gudivada in 2006 with 91.00%

Certifications:

Data Science Master's program by Simplilearn in collaboration with IBM and Purdue University.

Technical Skills:

- SQL, Python, Machine Learning, Tableau, MS Excel
- Designing Technologies: Auto CAD, Solid works, Catia and Ansys.

Analytical Skills:

- **Predictive Model Building** using Python.
- Multivariate Analysis: **Factor Analysis, Cluster Analysis, Principal component Analysis.**
- Data mining techniques: **Random Forest.**
- Good in Logistic Regression, Linear Regression, Ensemble techniques, Navies Bayes.
- Good knowledge in **categorical data analysis.**
- Strong hold of concepts in Statistics and expertise in **Natural Language Processing, Text Mining, and Text Analytics.**
- Capable of creating **interactive dashboards** in **Tableau**

Work Experience:

Working as a supply chain manager with 'The Burger Chefs' from Aug 2020 – till date.

Responsibilities:

- Understanding business process and helping in **maximize the revenue.**
- Evaluating the business process and anticipating requirements for improvement.
- Leading ongoing reviews of business processes and **developing optimization strategies.**
- Monitoring day to day business to perform all functions in efficient manner.
- Communicating **insights and plans** effectively to team members and management.
- Identifying the problems and coming up with appropriate **strategies** to solve them.

- Worked as an ‘**administration coordinator**’ with ‘footprints education Pvt Ltd’ from May 2019 – May 2020.
- Worked as a ‘**customer relationship manager**’ with ‘The Burger Chefs’ from Feb 2017 – Apr 2019.
- Worked as an ‘**assistant professor**’ in ‘Gudlavalleru engineering college’ from 2013-2014.

Practical Exposure:

SQL - ScienceQtech employee performance mapping

Objective:

To facilitate a better understanding, managers have **provided** ratings for each employee which will help the HR department to finalize the employee performance mapping. As a DBA, I should find the maximum salary of the employees and ensure that all jobs are meeting the organization's profile standard. I also need to calculate bonuses to find extra cost for expenses. This will raise the overall performance of the organization by ensuring that all required employees receive training.

Python – Movielens Case study

Objective:

Here, I asked to perform the analysis using the Exploratory Data Analysis technique. Need to find features affecting the ratings of any particular movie and build a model to predict the movie ratings.

Machine Learning – Mercedes-Benz Greener Manufacturing

Objective:

To reduce the time a Mercedes-Benz spends on the test bench, need to work with a dataset representing different permutations of features in a Mercedes-Benz car to predict the time it takes to pass testing. Optimal algorithms will contribute to faster testing, resulting in lower carbon dioxide emissions without reducing Mercedes-Benz's standards.

Tableau – Comparative study of countries

Objective:

Create a dashboard to compare all the parameters mentioned for different countries, to strategize market penetration and to target new customers.

Tableau – Comparison of region based on sales

Objective:

Help the organization by creating a dashboard to visualize the sales comparison between two selected regions.

Capstone Project – Real Estate

Problem Statement

- A banking institution requires actionable insights into mortgage-backed securities, geographic business investment, and real estate analysis.
- The mortgage bank would like to identify potential monthly mortgage expenses for each region based on monthly family income and rental of the real estate.
- A statistical model needs to be created to predict the potential demand in dollars amount of loan for each of the region in the USA. Also, there is a need to create a dashboard which would refresh periodically post data retrieval from the agencies.
- The dashboard must demonstrate relationships and trends for the key metrics as follows: number of loans, average rental income, monthly mortgage and owner's cost, family income vs mortgage cost comparison across different regions. The metrics described here do not limit the dashboard to these few.