

JYOTI

Machine Learning Engineer

Infosys Pvt. Ltd.

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SUMMARY

- An IT professional having **6.5 years** of experience, working as a Technology Analyst (Currently **serving notice period, last date – 30th September, 2021**)
- Data Scientist with 4+ years of proven experience in **Algorithms, Machine Learning, Python with libraries such as Sklearn, NumPy, Pandas, Matplotlib, Tableau for Data Visualization.**
- Keen analyst with excellence in gathering and understanding requirements of clients.
- Experience in validating and Pre-Processing the data using **EDA and Statistical Techniques.**
- Experience in **Feature Engineering, Variable Selection and Validating the model.**
- Involved in Data Preprocessing Techniques for making the data useful for creating Machine Learning models.
- Basic understanding on Deep learning concepts.
- Experience in **Informatica ETL upgrade.**
- Experience in POC on cloud based data warehousing. Worked on migration project- **Teradata to Big Query.**

TECHNICAL SKILLS

- **Programming:** Python
- **Tools:** PyCharm, Jupyter Notebook
- **Algorithms:** Linear Regression, Classification, Decision Tree, Random Forest, KNN, XG Boost, PCA
- **DB/DWH:** SQL, Teradata, Big query
- **Data Visualization:** Tableau, Pyplot

EXPERIENCE – KEY PROJECTS

Project 1	Market Mix Modeling
Responsibilities	<ul style="list-style-type: none">• Segregated sales result for various segments w.r.t spends.• breaks down business metrics to differentiate between contributions from marketing and promotional activities• Analyzed the Ad stock and lag effect to measure the impact of spending on advertisements
Technologies Used	Python, Sklearn(Logistic Regression), Excel, Hadoop and Power Point

Project 2	Food Customer
Responsibilities	<ul style="list-style-type: none">• Segregated Food Segments for Retail Shopping Customers, helped them in better planning the assortment and promotions.• Surveyed customer segments that were explained using purchase behavior using modeling techniques (Regression Trees, XG Boost).• Analyzed the population of 6 million customers to get the holistic view of the retailer.
Technologies Used	Python, Sklearn, Oracle, Excel and Power Point

Project 3	Life Stage Segmentation
Responsibilities	<ul style="list-style-type: none"> Segregated the credit card based data for creation of rule based life stage segments for retail shopping customers, helped them in planning the assortment and promotions Explained customer segments purchase behavior using modeling techniques Scored a population of 6 million customers to give a holistic view of the retailer.
Technologies Used	Python Sklearn, Oracle, Excel, Power Point, Regression Trees, XG Boost, Multinomial Naive Bayes

Project 4	Sales Change Decomposition
Responsibilities	<ul style="list-style-type: none"> Created a framework using Lasso Regression Feature Selection (ML approach), identified the top categories (KPIs) or Basket Mission and customer group impact on overall sales change (YOY) Directed the entire process without utilizing Exploratory Analysis.
Technologies Used	Python, Sklearn and Oracle

OTHER PROJECTS:

Terminus	<ul style="list-style-type: none"> Worked on migrating the data Teradata to Google Cloud Big query. Analysed the TD data and collected the descriptive knowledge on data to generate the synthetic data. Build the script to generate the table schema in Big query. Build the python script to do the data validation. <p>Technologies Used: Teradata, GCP, Hadoop, TPT scripts, DGT tool.</p>
Informatica Upgrade	<ul style="list-style-type: none"> Analyzed the bash scripts and made the required changes in scripts, param files and java code and Informatica workflow. End to end workflow testing and validating the data. Scheduling and monitoring the jobs. <p>Technologies Used: Informatica ETL, Oracle, Java</p>

EDUCATIONAL QUALIFICATION:

- B.Tech. in Information Technology (2010-2014) from MDU ROHTAK

PERSONAL DETAILS:

- DOB:** 11th July 1993
- Languages:** English & Hindi
- Address:** Electronic City 1, Bangalore