Harish Dipak Lipare

Associate Data Scientist

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Professional Experience Summary:

To build a career in a challenging environment, with a diverse group of people to enhance my professional skills by learning and implementing my knowledge for the growth of the organization.

Professional Experience Summary:

- 2.1+ Years of experience in Python, Machine Learning, MySQL, NumPy, Pandas, Seaborn, Matplotlib, NLP, and Flask.
- Extract Data from the client database using MySQL database, convert it into a dataframe using sqlalchemy library, and perform various operations as per the use case.
- Find patterns from client data using data visualization and found that data was imbalanced and handled it using oversampling methods to make it balanced.
- Data Preprocessing and Data visualization by using Python libraries like NumPy, Pandas, Matplotlib, and Seaborn.
- Predictive Model building using machine learning algorithms.
- Categorize comments into positive and negative clusters using sentiment analysis and text analysis and then use machine learning algorithms to build and evaluate different models.
- Responsible for Data Extraction, EDA, Model development, and Model evaluation.

Employment Summary:

Dates	Organization	Role
Sep 2021 – Present	Marlabs INC	Associate Data Scientist

Project Profile:

Project 1	Customer Churn Prediction
Project Description	Financial institute failing to prevent customer attrition. They wants to know what leads to clients prone to leave the company.
My Responsibilities	✓ Worked on Data gathering by using MySQL. ✓ Exploratory data analysis (EDA) Statistics, Matplotlib, and Seaborn for analysis. ✓ Clean the noisy data and select the appropriate features by using Feature Engineering and feature selection techniques. ✓ Build the model using various machine learning algorithms like Logistic Regression, Decision Tree Classifier, KNN, and Random Forest Classifier. ✓ Perform data visualization and presentation, Feature engineering, extraction, Model Training, Model Evaluation, and Deployment using Flask and AWS.

Project 2	Sentiment Analysis & Root cause analysis.
Project Description	Our client wants to understand if the customer is happy or not with a new product if not happy what is the root cause analysis.
My Responsibilities	✓ We build the model using NLP Techniques and machine learning algorithms, predicting whether the customer is happy or not, and analyzing customer feedback data to identify positive and negative sentiments. ✓ Responsible for data pattern recognition and data cleaning Analyze using various techniques - N-grams, word cloud, and key phrases.

Technical Skills:

Type/Name	Details
Systems	VS code, Jupiter Notebook
Programming Language	SQL, Python
Database	MySQL, MongoDB
Python/ML Packages	NumPy, Pandas, Matplotlib, Seaborn, Regex, Scikit-learn, SciPy.
Machine Learning	Linear Regression, Logistic Regression, Ridge & Lasso Regression, K Nearest Neighbor, Random Forest, Decision Tree, Naïve Bayes Classifier, Ada-Boost, K-Means Clustering.
NLP & Text Processing	NLTK, Term frequency - Inverse Document frequency (TF-IDF), Word2Vec, Bag of Words.
Deep Learning	ANN, CNN, TensorFlow, Keras.
Deployment	Flask Web framework, Postman, AWS

Education Summary:

- B.Tech from DKTE Textile & Engineering Institute, An Autonomous Institute, Ichalkaranji. CGPA - 6.6.
- HSC | Science | Maharashtra State Board |60.62%
- SSC | Maharashtra State Board | 64.18%