Varsha Senthilkumar

Application and Data Analyst

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|  | **Professional Summary**  Professional Application and Data Analyst committed to improving data quality and usage through focused exploration. Completes tasks and analyses the issue in the application quickly with meticulous attention to detail, maintaining integrity. Strives to increase insight across reporting and delivery using data extraction using the SQL tool. |
|  | **Experience**  **Application and Data Analyst at Cognizant Technology Solutions, Chennai**  November 2020 — Present   * Motivated, teamwork-oriented, and responsible Application and Data Analyst with significant experience of 2 years in increasing comprehension of reports and presentations by the average professional. * Performed root cause analysis of an application issues and act accordingly to the business impact with detailed analysis and solution. * Developed SQL queries to obtain complex data from tables in different databases and refined standard queries for verifying data quality and pinpointing errors that helped in situations to find impacted cases when a new issue shows up. * Developed and executed shell scripts for task automation and batch processing that reduced the manual work. * Researched and resolved data discrepancies with troubleshooting teams that helped the business to resolve the issue on time. * Recommended to the business and communicated effectively with project management regarding issues implemented changes that streamlined processes and improved usability. |
|  | **Projects**   * **Customer churn - predicting customer churn for DTH provider.**   The DTH company is struggling to keep its current customers and lower its churn rate. The company's objective is to keep customers while identifying and reducing the factors that lead to customer churn. This calls for the development of a model and an analysis using EDA of the given data set's patterns and trends.  Skills and Tool - Logistic Regression, Decision Tree, Random Forest, Bagging, Ada Boosting, Gradient Boosting.   * **Data Visualization using Tableau.**   The project involved in come up with insights that could help the organization run their business better. from car insurance claims data.  Skills and Tools – Tableau   * **Machine Learning Project**   This project involved to build a model, to predict which party a voter will vote for, based on the given information, to create an exit poll that will help in predicting overall win and seats covered by a particular  party from election data.  Skills and Tools - EDA, Univariate and Bivariate Analysis, Logistic Regression, LDA (linear discriminant analysis),  KNN Model, Naïve Bayes Model, Model Tuning, Random Forest, Bagging, Boosting |

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|  | **Skills**   * MYSQL * Statistical Modelling: Hypothesis Testing, ANOVA * Machine Learning Algorithms: Linear regression, Logistic regression, Decision tree, Naive Bayes algorithm, KNN algorithm, K-means, Random Forest algorithm. * Programming Languages: Python (NumPy, Pandas, Seaborn, Matplotlib, Scikit-Learn). * Data Visualization: Tableau * Tools: Jupiter Notebook, MySQL Workbench, Microsoft Excel. * Data Analysis, Data Mining, EDA, Data Cleaning, Microsoft Excel, statistic, Time series forecasting   **Certification**   * Data Science in Python Certification -SIMPLILEARN INSTITUTE (2022) * Machine Learning Certification - SIMPLILEARN INSTITUTE (2022) |
|  | **Education**   * **Bachelor of Engineering –Textile Technology, Kumaraguru College of Technology , Coimbatore**   Aug 2016 —April 2020  GPA: 8.68 |
|  | **Achievements**   * Awarded best performance in analyzing the issue and provided data on time for the high business impact and for reducing the incident counts through providing the permanent fixes and scheduling process. * Always Striving, Never Settling Award for implementation of algorithms that helps client to encounter the disputes. * Lead the team and won first prize in Smart Idea Textile Hackathon edition 2019 conducted by DKTE, Maharashtra. * Won Silver Medal in State Level Karate Tournament -2017 |