Sri Kumar Dundigalla

813-893-5338 | srikumar@usf.edu | linkedin.com/in/dundigalla-srikumar | Tampa,FL

EDUCATION

University Of South Florida   Tampa, FL
Master's in Business analytics and information systems   *Aug. 2022 – Dec 2023*

Amrita School of Engineering   Bengaluru, IN
Bachelor of Technology in Electronics and Communication Engineering   *Aug. 2015 – May 2019*

TECHNICAL SKILLS

Programming languages: C/C++, JavaScript, JAVA, HTML/CSS
Data analysis: R, Python, SQL, MongoDB, Pandas, NumPy, Matplotlib, SeaBorn, Scikit-learn
Data visualization: Tableau, Power BI
Database management: SQL Server, MySQL, NoSQL, Google Cloud Platform, Microsoft Excel
Business intelligence: SAS
Data preparation and cleaning
Project management

EXPERIENCE

Data Analyst | Infosys   Jan 2020 – Dec 2021
                                                                                          Bengaluru, India

- Conducted in-depth analysis of massive datasets to uncover trends and patterns before presenting findings to stakeholders in clear, simple reports.
- Created and deployed dashboards and visualizations to effectively convey data insights to the organization's stakeholders.
- Worked with cross-functional teams to identify needs and develop data solutions to meet business goals.
- Updating and maintaining databases to ensure the accuracy and completeness of the data.
- To increase productivity and accuracy, common data processes were automated using scripting languages like Python and SQL.

INTERNSHIPS

Summer Internship | National Institute Of Technology   May 2018 – July 2018
                                                                                          Warangal, India

- Performed functional approximation using bio-Inspired algorithms using conventional optimization techniques like the Newton-Raphson method, Simpson's rule, and the Runge-Kutta method to optimize a few minor functions of a single variable and find one or two local minima or maxima.
- Using evolutionary methods like genetic algorithms, differential evolution, and particle swarm algorithms, we obtained global minima and maxima of randomly generated sine, sphere, and himmelblau functions where there are more than one local minima and maxima for functions.

PROJECTS

Milk Quality Prediction | *Python, SQL,SAS, Excel, Pandas, Numpy, Matplotlib, Seaborn, Sklearn, Power BI*
- Selecting a data model, such as regression analysis, decision trees, or artificial neural networks.
- Selecting Modeling procedures and algorithms for predicting milk quality using SAS.
- The data will be utilized to train the chosen model, and the model will generate predictions about future milk quality using the past data to detect links and patterns between variables.
- Investigate the data to learn more about its distribution, structure, and connections between variables by creating histograms, scatter plots, and other visualizations.
- Validate the model by comparing its predictions with real measures of milk quality.

Heart Disease Prediction using Machine Learning | *Python, Pandas, Numpy, Matplotlib, Seaborn, Sklearn*
- Used supervised learning classification algorithms like K-Nearest Neighbor, Decision Tree, XGBoost, Random Forest, AdaBoost, and GradientBoostingClassifier to make predictions on a dataset with 300 rows and 14 columns.
- Faced difficulty due to an unbalanced data set and a dearth of observations, so random oversampling was used to bring balance.
- Performed k-fold cross-validation and hyperparameter tuning to improve outputs for future data and prevent overfiring. The Decision Tree was selected as the best classifier among the rest based on the evaluation metric.

Prediction of the Success of Bank Telemarketing | *Python, SQL, Excel, Pandas, Numpy, Matplotlib, Seaborn, Sklearn, Tableau*
- Applied supervised learning classification techniques to make predictions on a bank telemarketing dataset with 45800 observations and 16 columns.
- Predicting whether or not a customer would give the bank a term deposit.
- Used Tableau for Data Visualizations and SQL for data sorting.
- Performed k-fold cross-validation and hyperparameter tuning.