# DIVYA SIRIGIRI

MACHINE LEARNING DEVELOPER

## CONTACT DETAILS

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## CAREER SUMMARY

Machine Learning Developer with 2+ years of experience in executing data-driven solutions using predictive modelling to deliver insights and action-oriented results to business problems in the space of Banking and Finance.

## TECHNICAL SKILLS

- Statistical Modelling: Descriptive Statistics, Inferential Statistics, Hypothesis Testing, ANOVA, T-test, Z-test, Exploratory Data Analysis, Probability & Distribution
- Machine Learning: Regression Analysis, Decision Tree (CART), Random Forest, Clustering (K-Means), K-Nearest Neighbours (KNN), Support Vector Machines (SVM), Logistic Regression, Naive Bayes, Linear Regression
- Deep Learning: Artificial Neural Networks (ANNs), Convolutional Neural Networks(CNNs)
- Text Analytics & NLP: TF-IDF Technique, Word Count Technique, Sentimental Analysis
- Visualization: Seaborn, Matplotlib
- Programming Languages: Python, C, C++
- Database: SQL
- IDE: Jupyter Notebook, Visual Studio Code, Google Colab
- Miscellaneous: Dimensionality Reduction Technique (Principal Component Analysis), Zero
- Variance, Correlation check, Outlier Detection

## ACHEIVEMENTS

- Gold Medal in Electrical Engineering
- ISTE State Award under the best student category for the year 2019.
- 'On the Spot Award' for good performance as a token of appreciation in TCS

## EXPERIENCE

### Machine Learning Developer

*Tata Consultancy Services (Analytics and Insights) | May 2019 - present*

Customer Segmentation — May 2021 - present

- The objective is to identify the usage of the products that the bank offers, by the clients in the different markets and ways to expand it by classifying the clients into different groups
- Performed EDA and bucketing of the clients accordingly in order to target them for the product expansion. This analysis is done for different markets in the APAC region
- Engaged in data collection and model building

Attrition Prediction — May 2020 - Apr 2021

- The objective is to identify the customers that are on the verge of churning the bank and to retain the customers through customized offerings
- Performed EDA and identified the factors that have a high influence on the attrition

Credit Risk Management — May 2019 - May 2020

- The objective is to identify the potentially high-risk customers for the bank and to analyze the creditworthiness of the customers
- Identified the potential input drivers from different entities with the help of feature engineering to identify the related information for the analysis

## EDUCATION

### Sree Vidyanikethan Engineering College

*June 2015 – Apr 2019*

B.Tech in Electrical and Electronics Engineering
Aggregate : 90.04%

## ACHEIVEMENTS

- Fake News prediction, to classify the fake news from the reliable one using NLP
- Ecommerce sales prediction from different channels of marketing, the objective is to find the best medium of marketing to increase the sales of the product
- Translator app
- House price prediction performed EDA and used the Machine learning Regression model for prediction the house price based on various features from the dataset