**Sagar Malik**

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 “To obtain professional and financial heights, both for the organization and self, through my skills and knowledge and learn from presents as well as establishment also.”

**PROFESSIONAL-OVERVIEW**

* Total Work Experience: 4.7 Years
* Relevant Work Experience: 4.7 Years
* Current Profile: Senior Associate Technology Level 1
* Current Company: Sapient Consulting

**Profile Summary**

* Work experience of 4.7 years in analytics domain that includes Statistical Analysis using SAS and Python programming.
* Strong knowledge in Python and its in-built libraries like: Numpy, Pandas, Sckit-Learn.
* Experience in logistics, regression and classification models on business problems using Python language.
* Involved in Data Management, Data Analytics, Data Manipulation, Performance Tuning, Data Reporting, Requirement Gathering, Business Intelligence, SAS, PROC SQL, and Python.
* Expertise knowledge in SAS/BASE, SAS/MACRO and PROC/SQL.
* Have good knowledge in Descriptive and Inferential statistics techniques which helps in increasing the efficiency of model output and tuning parameters for the model.
* Good analytical, communication and interpersonal skills. Proficient in grasping new technical concepts and utilizing them in an effective manner.
* Responsible for automating key repetitive scenario's and maintaining prod support scenario's which involves analyzing data for risk hedge report and publishing report for the Trading methods and yield obtained throughout the day.
* Have Knowledge of hypothesis Testing- Test of Independence, ANOVA and Test for Goodness of fit, etc.
* Involved in Model Building, Model Evaluation & Optimization and Monitoring.
* Experience in extracting, manipulating data and creating datasets from various sources like Excel, flat files, Database, API and web using python and SAS, have done web scrapping for few projects.
* Involved in Migration projects from SAS to Python.
* Have worked in Finance, Trading and Banking Projects.

**SKILL SET**

* Tools: SAS v9.4 (SAS/BASE, SAS/SQL, SAS/GRAPHS, SAS/REPORT), Jupyter, MS-EXCEL, Spyder.
* Programming Languages: SAS Programming, Python, Java, and Vbscript.
* Database: MySQL, Oracle 12c.
* Domain: - Finance, Trading, Banking Domain.
* Platforms: UNIX/LINUX, Microsoft Windows.
* Machine Learning Models: Random Forest, K-Means, Logistic Regression.

**PROECT DETAILS**

**Project 1:**

Title : Wellington investment management firm

Domain : Trading.

Duration : January 2019 – Current.

Designation : Senior Associate Level 1

Role : Data Analyst

Organization : Publicis Sapient.

Description : Working with Trading applications - Trading Fixed Income and equity securities, handling scenarios for different tracks involving Equity, derivatives and Debt instruments.

**Roles & Responsibilities:**

* Understanding Business Problem with The Client and Analyzing Features Using Matplotlib to identify different trading patterns by traders and involved in analyzing data for final risk hedge report and publishing report for the Trading methods and yield obtained throughout the day.
* Implemented the Smart trading functionality for the ease of traders for obtaining the maximum yield for different securities combinations using regression model.
* Handling Categorical Features by Encoding Them and Creating Dummy Variables.
* Identifying Model Accuracy Using Various Methods like ROC/AUC Curve, Confusion Matrix.
* Using Research for Identification of Best Hyper parameters To Tune the Model.
* Performing EDA Which Includes MVT, Outlier Detection, Feature Scaling and Feature Selection etc. on the trading data throughout the trade cycle.
* Publishing Yield reports daily for different security trading throughout the day.
* Maintaining Dashboard for invalid trades made by the traders with taking data from every trade mail.

**Project 2:**

Title : iFast Desktop and FundServ Web Application.

Domain : Banking.

Duration : Feb 2016 – December 2018.

Designation : Programmer Analyst

Organization : Cognizant Technology Solution

Description : Worked in one of the leading accounts in the Mutual Fund (IFDS- International Financial Data Services) for iFast Desktop application used for various transaction, which is settled after running the day end cycle and the post validations of account can be verified from the desktop application itself.

**Roles & Responsibilities:**

* Involved in switching the platform operations from SAS to Python.
* Involved in preparing result, and generating reports.
* Based on a statistical analysis of client data for various Funds (e.g., account data, trade data and personal encoded data) we generated a report which identifies the different Funds investment by the client which helps the IFDS to categorize Funds based upon their investment level.
* Analyzing and publishing the reports after each trading cycle as a post validation process and matching the result with previous reports and sending the complete graph to the client.
* Analyzing the data coming from multiple data sources and performing data validation, Data cleaning & Data manipulation by SQL, SAS function and other tools.

**Project 3:**

Title : MetLife Bank

Domain : Banking.

Duration : Jan 2016 – Feb 2016.

Designation : Programmer Analyst

Organization : Cognizant Technology Solution

Description : MetLife, Inc. is the holding corporation for the Metropolitan Life Insurance Company (MLIC), better known as MetLife, and it's affiliated. MetLife is among the largest global providers of insurance, annuities, and employee benefit programs, with 90 million customers in over 60 countries. The firm was founded on March 24, 1868.

**Roles & Responsibilities:**

* Understanding Project Requirements.
* Client Call Interaction.
* Exporting/Importing data from/to MS-Excel/Flat files/Database to/from SAS data set & perform data validation, data cleaning & data manipulation by SAS/Base or SAS/SQL procedures.
* Developed various outputs in the form of RTF, HTML, PDF files using SAS ODS facility.
* Analyzing the lead data to understand monthly expenditure for each customer, interest calculations and categorization of customers, city and segment by total spending.

**ACADEMIA**

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| --- | --- | --- |
| **Title of the Degree with branch** | **College/University** | **Year of Passing** |
| Bachelor of Engineering(IT) | Jaypee University Information and Technology. | 2015 |
| H.S.C(12th) | C.B.S.E | 2011 |
| S.S.C(10th) | C.B.S.E | 2009 |

**PERSONAL DOSSIER**

Date of Birth : Oct 29 1993.

Marital Status : Single.

Nationality : Indian.

Hobbies : Reading Newspaper, Listening music .

Languages Known : English, Hindi.