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| **Adarsha Allampalli**  **Data Analyst** | Email: adarsha.allampalli@gmail.com  Mobile : +44 7405031040  Location : London, United Kingdom |

**PROFILE**

Proficient analyst with 3 years of experience in the field of Data Analysis, working with Model Building, Data Transformation, Feature Engineering, Data Cleansing, Data Plotting, Statistical Analysis, Data Visualization and Data Reporting. I am highly motivated and flexible based on project needs.

**TECHNICAL:**

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| Programming Language | Python |
| **Programming Libraries:** | SciPy, Pandas , NumPy, Plotly , Scikit Learn |
| **Reporting Tools:** | Power BI |
| **Visualization of Data:** | Bokeh, Matplotlib, Seaborn |
| Cloud | AWS |
| Development Methodology | Agile - Scrum, WaterFall |
| Databases | SQL Server |
| Operating Systems | Windows and Linux |

**EDUCATIONAL QUALIFICATION:**

* Bachelor of Pharmacy, Pondicherry University – India.

**AREAS OF EXPERTISE**

* **3+ Years** of IT experience in the field of **Data Analysis, Data Modeling and Data Reporting**.
* Skilled experience in Python with proven expertise in using new tools and technical developments
* Involved in various phases of Software **Development Life Cycle** (SDLC) such as requirements gathering, **modelling, analysis, design** and **development**
* Performed **Data Analysis, Data Migration, Data Cleansing, Transformation, Integration, Data Import, and Data Export** through **Python**.
* Experience on **data cleaning, wrangling, manipulation/transformation and visualization** using Python
* Good work experience working in **Agile** methodology
* Excellent skills on python packages like **numpy, scipy, pandas, pytables** etc.
* Design & Implementation of **Data Extraction, Transformation & Loading Analyze** **SQL Server** Data
* Strong experience in interacting with stakeholders/customers, gathering requirements through workshops and existing system documentation or procedures
* Experience in creating and modifying reports with **Power BI**
* Good experience on using  **SQL Server** for Data Definition and Query, Python for Data Modelling and Power BI for Visualizations
* Performed **statistical analysis** using **SQL Server, Python Programming** and **Excel**
* Manipulated and summarized data to maximize possible outcomes efficiently
* Flexible and versatile to adapt to any new environment and work on any project.
* Self-starter, Self-Motivated, Quick Learner, Positive Attitude and Systematic Hard Worker.

**CAREER HISTORY**

**Project:** Analysis on Occupational Health Services

**Period:** Nov’20 to Till Date

**Client:** Duradiamond

**Company:** GCS Limited

**Role:** Data Analyst

**Methodology**: Agile

**Detail Description:** At Duradiamond Healthcare, develop strong partnerships with our clients, getting to the heart of their individual challenges and needs, and designing an occupational health package tailored to them.

Duradiamond work on site, online and across the UK to give you an integrated experience that works for your teams and your business. It has comprehensive range of occupational health services help businesses in all sectors reduce risks in the workplace, invest in health and wellness and boost workforce productivity.

Take a look at our occupational health services as well as our specialist services below, to see how we can help you do the same.

Duradiamond Occupational Health Service data from April 2012 to Mar 2020 were considered for the analysis.

Aim is to segregate and create customer unsatisfied factors from the provided services

Process involved:

* Import Data from structured and un-structured data sources
* Feature Engineering
* Data Cleansing
* Plotting
* Apply statistical methodologies
* Exploratory Data Analysis (EDA)

**Responsibilities:**

* Interacted with business users to identify and understand business requirements and identified the scope of the projects.
* Worked in a Scrum Agile process delivering product for each iteration.
* Imported the customer data into **Python** using **Pandas libraries** and performed various **data analysis**
* Created action filters, parameters and calculated sets for preparing dashboards and worksheets in Power BI.
* Worked on **Data Cleaning**, **Features Engineering** with **pandas**, **numpy**
* Performed **statistical** **evaluation from the accumulated data**
* Proficient in **uploading** and exporting **huge** **quantities** of **statistics** from **documents** to Power BI
* Worked on indexing of the tables in that **statistics** warehouse. Used SQL **abilities** in **reading** and validating the **data**
* Responsible for L**ogical statistics modeling**; **metadata documentation**
* Analyzed different types of data to derive insights about data relationships and qualitatively assess the data using Python.

**Project:**  Super Market Sales Analysis

**Period:** April’19 to Oct’20

**Role:** Data Analyst

**Client:** Wavy Line - UK

**Description:** The growth of supermarkets in most populated cities are increasing and market competitions are also high. The dataset is one of the historical sales of supermarket has recorded in 5 different branches for 10 years data. Predictive data analytics methods are easy to apply with this dataset.

Attribute information

Invoice id: Computer generated sales slip invoice identification number

Customer type: Type of customers, recorded by Members for customers using member card and Normal for without member card.

Gender: Gender type of customer

Product line: General item categorization groups - Electronic accessories, Fashion accessories, Food and beverages, Health and beauty, Home and lifestyle, Sports and travel

Unit price: Price of each product in GBP

Quantity: Number of products purchased by customer

Total: Total price including tax

Date: Date of purchase

Time: Purchase time

Payment: Payment used by customer for purchase

Gross margin percentage: Gross margin percentage

Gross income: Gross income

Rating: Customer stratification rating on their overall shopping experience (On a scale of 1 to 10)

**Responsibilities:**

* Developed business reports by writing **SQL queries using SQL Server**
* Conducted independent **statistical analysis, descriptive analysis**.
* Imported the sales data into **Python using Pandas libraries** and performed various data analysis.
* Worked extensively on **Data Profiling, Data cleansing, Data Mapping and Data Quality**.
* Created Power **BI Dashboards with interactive views**, trends and drill downs
* Designed and maintained **day** and **monthly** summary **review** repository
* **Implemented visualizations** like charts, geographic maps etc.
* **Handled workbooks** and **extract facts sources** to DB Server
* Modelling helped the **group** to make decision on **facts** in system **with the aid of using** Data Visualization **method** **to convert** Unstructured **facts** into **shape** **layout**
* Delivered and communicated **Analysis results**, **pointers to management**

**Project:** Employee Attrition Analysis (Logistic Regression Model)

**Period:** Feb’18 to Mar’19

**Role:** Jr. Data Analyst

**Client:** Genpact

**Description:** Genpact is a large IT company, every year, around 15% of its employees leave the company and need to be replaced with the talent pool available in the job market. The management believes that this level of attrition is bad for the company.

Hence, the management has to understand what factors they should focus on, in order to curb attrition. In other words, they want to know what changes they should make to their workplace, in order to get most of their employees to stay. Also, they want to know which of these variables is most important and needs to be addressed right away.

Goal of the analysis

To model the probability of attrition using a logistic regression. The results thus obtained will be used by the management to understand what changes they should make to their workplace, in order to get most of their employees to stay.

**Responsibilities:**

* Analyzed Requirements and created Use Cases, Use Case Diagrams, Sequence Diagrams using Rose.
* Extensively designed Data mapping and filtering, consolidation, cleansing, Integration
* Performed extensive requirement analysis and gap analysis.
* Worked on Data import, Feature engineering, Data cleansing, Data Analysis and Reporting.
* Enabled Joint Application Development sessions to identify requirements and documented.
* Extensively used SQL Server for accessing and manipulating database systems
* Performed data mapping from source to target.
* Maintained a close and strong working relationship with teammates and management staff to achieve expected results for the project.
* Assisted the database modelers in preparing the logical and physical data models and ascertained that requirements have been met.
* Performed overall tasks on the project including and mitigation, status reports, client presentations, defining milestones, deliverables and establishing critical success factors.