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DATA SCIENCE | DATA ANALYSIS | DATA VISUALIZATION

EXECUTIVE SUMMARY

- Result-oriented and high performing **professional**, with over 5.5 years of rich & insightful industry experience in the space of **Data science, machine learning, PL\SQL, Data analysis and Data visualization.**
- Ability to analyse situations using **statistical techniques and logical reasoning** and interpret results to support better business decisions.
- Excellence in collaborating with **internal stakeholders to manage data logistics** - including data transfers, understanding data structures and business processes to enable continuous improvement in overall operations.
- Provide business users **Visual Analyses and interactive Dashboards** to help them analyse and explore data.
- Translate **business requirements and hypotheses** to successful analyses and insights to aid business decision-making.
- **Quick learner** with an appetite for challenges and innate ability to evolve & adapt in rapidly evolving environment. Seasoned people skills, big-picture vision and the ability to execute with discipline and effectiveness.

Areas of Expertise include:

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|----------------------------|-------------------------|---------------------|
| ■ Data Analysis | ■ Data Visualization | ■ Machine Learning |
| ■ Statistics & Probability | ■ Python & R | ■ PLSQL |
| ■ Data Cleaning | ■ Business Intelligence | ■ People Management |

TECHNICAL SKILLS

Tableau : Tableau Desktop| Tableau Prep Builder| Dashboard Preparation| Story Telling

Python : Pandas| Numpy| Matplotlib & Seaborn|NLTK| Scikit-learn| Exploratory Data Analysis

R : Dplyr| Ggplot2| Lubridate| Caret| Text2Vec|R-Commander

Data Science : Data Mining| Data Cleaning(Missing Values & Outlier Treatment)| Data Wrangling| Data Visualization

Machine Learning Algorithms : Regression| Classification| Clustering| Dimensionality Reduction

IDE : Pycharm, Jupyter Notebook

Database & Excel : MySQL| Oracle11g| Excel Macro and VBA| Excel Dashboards| Advanced Excel

Others : Linear Algebra| Probability & Statistics| Basics of Linux – Shell Scripting

KEY PROJECTS

Demand forecasting for indigenous products using Time Series:

A deep dive into the analysis of demand market for In- House Products. As effective in-house production of the defense/professional electronics products will lead to increased share of BEL in fulfilling the local and global orders allowing us to benchmark results.

- Getting the data from different sources
- Data munging and EDA operations on data at hand
- ARIMA Time series modelling utilized to develop the model
- Training the model and validating it against test data
- Generating reports on the Performance of model

Complaint Analysis for Faulty EVM Units using NLP:

The purpose of the Complaint Analysis was to get the root cause of the fault and also as if which among the three devices was responsible for majority rejection/fault.

- Pre-processing data for Tokenization into component words and removal of stop words using NLTK toolkit.
- Carry out Word cloud analysis
- Logistic regression to build a multiclass classification algorithm
- Assisted in formulating the solution based on result

Customer e-mail segmentation for marketing campaigns

For promoting an in-House Defense Electronics Product to the targeted audience, we need to do customer segmentation for marketing the Indigenous Product through emails.

- Data cleaning and EDA using R
- Deriving a new feature from the given dataset
- Applying Logistic Regression and Random Forest Model
- Presenting the results in excel.

Sales Dashboard Presentation using Tableau

Presented the Business Sales value in terms of number and value of Orders BEL had under its name using Tableau dashboard.

- Visualization done using Tableau Prep Builder and Tableau Desktop tools.

CREENTIALS

B. Tech – Electronics and Communication, Institute of Engineering & Technology –Lucknow

2013

PROFESSIONAL OVERVIEW

Bharat Electronics Limited (PSU, GOI), Bangalore

Mar 2018 - Mar 2020

Deputy Engineer(Marketing and Special Projects)

Handling Business data analysis with data science & statistical approach as a part of the role.

Data Analysis/ Data Mining:

- Developing Model for Demand forecasting
- The role also involves Plotting various maps and reports for the sales and marketing team in python & R
- Accountable to develop automated procedures or semi-automated tools for various types of data processing
- Identify potential causes for up & down trends of sales

Operational Excellence/ Process Improvement:

- Developing the dashboards for Sales team.
- Gathering data from various departments and different sources to streamline to use for sales representatives.

Key Callouts:

- Demonstrated excellence, agility and quick learning capability by expediting on-the-job learning and performing exemplarily in spite of tight delivery commitments and heavy production work
- Provided several department data to enable validation studies that are necessary for proprietary models and practices to evaluate performance

Accenture Solutions Pvt Ltd, Pune

Jan 2014 - Apr 2017

Application Analyst

Following are the key roles and responsibilities:

Operational Accountability:

- Various reports concurrent programs, executable, value sets and RICEW model.
- Preparation and implementation of SDLC and corresponding PLSQL packages.

Customer Management:

- Used client supporting tools, ITIL V3 , CVS versioning tool and Repository tool WinSCP

Key Call outs:

- Extensive knowledge on the various Oracle modules related to SCM and Oracle11g database
- Handling various client issues with various industry driven standard tools.