MRIGANKA CHOWDHURY

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Objective

A resourceful Data scientist with a proven track record in implementing successful marketing strategies, boosting organic traffic, and improving search rankings. I have a keen interest in Data science and currently trying to enhance my skills in Machine learning and AI and at the same time looking for opportunities in analytics.

Education

Bachelor of Engineering (MECHANICAL)

BMSIT, YELANKA

Certification

- **Postgraduate in Big Data Analytics and Optimization**
  International School of Engineering (INSOFE), Bangalore
  *The program is certified for the Quality, Pedagogy, and Assessment by LTI of **CMU, U.S.A***

- **Post graduate Program in SAP MM**
  RIA Institute of Technology Bangalore.

Data Science Projects

"**RETAIL ANALYSIS**"

To predict whether a Product will be re-order in the next one week.

> Techniques: PCA, Logistic Regression, Decision Tree, Random Forest, Boosting, H2o
> Languages: Python.

> Summary: On **data pre-processing** and applying various models found **Ensemble** is an appropriate model for this Retail case study.

"**HEART DISEASE**"

To Predict whether a person will have a heart attack or not within the 10 years.

- Techniques: PCA, Logistic Regression, Decision Tree, Random Forest, Boosting,
- Languages: Python.

Summary: On **data pre-processing** and applying various models found **Random Forest**, an appropriate model for this business case producing the highest accuracy.

"**Bankruptcy Prediction for given Bank customers:**"

To Predict the eligible customer for their respective offers

- Techniques: Logistic, Decision Tree, Random Forest, XG Boost
- Languages: Python
- Summary: On **data pre-processing** and extracting **XG Boost** gave the best forecasting

Professional Experience

COMPANY 2 (December 2019 - Present): - Hewlett-Packard

ROLE – Data Scientist For (HP Customer Support INDIA)

1. Conduct Inventory Analysis at Skew level and give business insights about the changing Weeks of Stock based on geographically regions.

2. Perform EDA on the data to understand of seasonality, trend and related them to business.

3. Working on Text analytics , NLP, Machine learning algorithms and Deep neural network to find meaning in underlying and unsupervised data that will help to adapt new business strategy and make predictive analysis .

4. Identify top selling SKU's and then predicting the Potential Leaders, Best sellers and lost SKU's.

5. Story telling through Tableau or Power BI which analyse the sales across various channel and find other meaningful insights that supports Manager and distributors strategy and changes that might enhance business performance.

6. Use Six-Sigma with analytics to improve business performance and process variability. The result will be use by demand planning team and improve Inventory Post Covid-19.

7. Performance Management - establish targets for Key Performance Indicators (KPIs) track performance and take actions to improve.

8. Ensure customer forecast and demand information is used to help balance the resource.

9. Analyse, prepare and present data to the works control lead, technical Team leaders and senior management team.

10. Identifying possible solutions & driving them through to successful implementation including capturing business benefits.

11. Stakeholder management and provide suggestions or extend support to any new requirement that required guidance.

COMPANY 1 (Feb-2016-March2018): -**Meena' s International group.**

ROLE –BUSINESS ANALYST

1. Prepare and maintain data cleansing activity and data quality reporting metrics Using Python and then pushing into the database or other systems.

2. Involved in understand data flow, control flow ,business process, existing infrastructure and analyse requirements.

3. Develop various dashboard on team requirements and provide insights. Use Data blending or Joining while doing so.

4. Hands-on experience deploying the PBI service to mid-market and/or enterprise scale organizations.

5. Proficient designing of dashboards using Various concepts such as calculated fields, parameters etc

6. Ability to design reporting solutions based on the client need that included "Automation" Using VBA.

7. Provide assistance in designing, testing, specific automation projects.

8. Automating E-mail using trigger's and extended support to any requirements.

TECHNICAL SKILLS

Big Data Ecosystem Tools

DATA Science Skills

Tools

: PYSPARK, Kafka, Spark.

: Machine learning, Deep learning etc, statistics.

: Tableau, Python, SQL, R, VBA, Power BI.

Extra-Curricular Activities

. Involved in organizing inter and intra college events.

. Captained the College Football team for two years.

. Cultural In charge for Don Bosco School in the last year.

. Winner of various Angling events.

. Have written various blogs on Data science.

. Hiking Enthusiastic.