Yuvaraj Ambiger

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CAREER OBJECTIVE

Data Scientist with a strong math background and using predictive modeling, data processing, and data mining algorithms to solve challenging business problems. Passionate about deep reinforcement learning.

TECHNICAL SKILLS

Programming: Python, PySpark(1.5years), SQL.

Data Science Packages: Pandas, NumPy, Scikit, TensorFlow, Matplotlib, Keras, Seaborn, NLTK.

Analyzing & Other Tools: Tableau, MS excel, Azure, Databricks, Linux.

Data Science Algorithms: Classification (Naïve Bayes, KNN, SVM, Decision Tree, Random Forest, etc.), Regression (Linear, Multiple Linear, Logistic, etc.), Clustering (K-Means, Hierarchical), Ridge & Lasso Regression, Deep Learning, Reinforcement Learning

PROFESSIONAL EXPERIENCE

QUEST GLOBAL

Data Scientist, Aug 2019 – Present(2 years 10months)

Contribution:

- Involved in Data mining or extracting usable data from valuable data sources.
- Enhanced data collection procedures to include all relevant information for developing analytic systems.
- Carried out pre-processing, cleansing and validating the integrity of structured and unstructured data to be used for analysis.
- Carried out exploratory data analysis as well as visualizing techniques to find patterns and solutions and arrive at business decisions.
- Developed statistical models for various predictive methods such as forecasting, regression, decision tree, random Forest.
- Exercised hyperparameter optimization, cross-validation, and standard data science approaches to build efficient predictive models.
- Implemented and created code in the client server using the docker software.
- Analyzed the ML algorithms that could be used to solve a given problem and ranking them by their success probabilities.
- Proposed solutions and strategies to tackle business challenges.
- Collaborated with Business and IT teams.

Awards and Achievements:

- I received “On the Fly Award” for exceptional performance in projects within short span, met deadlines and performed at high standards with limited supervision.

Project: Halo Effect.

- Halo Effect is sales in one product initiated with sales of another product by providing the promotions. In this project Halo effect was calculated using Bayesian Probability approach.
- Initially relationship between the products were identified based on the historical data by machine learning techniques and later product substitutes and products brought together were found.
- Cannibalization effect was also taken care while providing the promotions.
- Tools used: Python, PySpark & SQL

Project: Credit Default Prediction.

- In this project, client had multiple applications for different domains of business hence dataset had transactions of customers from all the applications. Aim of the project was to create own credit default prediction model from the transaction done in their application and compare it with credit risk model of the bank and finally give the suggestions for the bank.
- An Ensemble method of Random Forests algorithm was used to predict the credit status. Different models were built for respective applications.
- Tools used: Python, Databricks & SQL

Praxair India Pvt. Ltd.

GET in Technical Sales, Aug 2018 – Aug 2019(1 year)

- Sales Engineer in Welding Machines and Equipments.
- Solved customer site problem with my technical knowledge related to welding process.
- Involved in all the Business-related meetings with customer.
- During my tenure, I got "Special Recognition Award" for increasing the sales and revenue of our team.

EDUCATION

BMS COLLEGE OF ENGINEERING, BANGALORE, KA
Bachelor of Engineering in Mechanical, May 2018

- CGPA: 7.92/10

ROYAL PALACE PU COLLEGE, JAMKHANDI, KA
XII, May 2014

- Percentage: 92.83%

ROYAL PALACE SCHOOL, JAMKHANDI, KA
X, April 2012

- Percentage: 93.1%

CERTIFICATES

- **IBM Data Science Professional Certificate - Coursera**
- **The Data Science Course 2020: Complete Data Science Bootcamp - Udemy**
- **Fundamentals of SQL on Databricks**
- **Machine Learning with Python – IBM**
- **Developing Machine Learning Applications on Azure**

PERSONAL DETAILS

- DOB: 28-04-1996
- Gender: Male
- Nationality: Indian
- Languages Known: English, Kannada & Hindi
- Hobbies: Reading Novels, Playing Badminton &Travelling