DATA SCIENTIST

M.SAI KUMAR
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SUMMARY

2.10+ years of IT experience as a Data Scientist, including profound expertise and experience on statistical data analysis such as transforming business requirements into analytical models, designing algorithms, and strategic solutions that scales across massive volumes of data.

- Adept in data query, data migration, data analysis, predictive modelling, machine learning and data visualization implementations with extensive use of SQL, Python and R with platform of Tableau, Jupyter Notebook, PyCharm, R-studio.
- Experience in predictive analytic procedures used in supervised learning (Classification, Regression, decision tree, Random Forest, SVM, Neural Networks), unsupervised learning (Clustering-k- Means PCA), and reinforcement learning.
- Expertise in Machine Learning with a focus on Deep Learning, Experience of using deep learning frameworks PyTorch, Keras and TensorFlow, etc
- Work with business domain experts and application developers to identify data relevant analysis and develop new predictive / analytical modelling methods and/or tools in Financial (like loan and foreign exchange), Customer, financial domains etc.
- Experience in data aggregation and reduction techniques of large data sets with high performance and parallel computing for high performance analytical projects.
- Involved in diagnosing and resolving predictive / analytical model performance issues, monitoring analytical system performance and implementing efficacy improvement.
- Conversant with Project Management deliverables and SDLC phases – Waterfall and Agile.
- A self-starter, team player, excellent communicator and prolific researcher.
- Expert technical documentation skills. Strong interpersonal and communication skills (both written and oral); ability to communicate with people in a wide variety of areas and at various levels from technical specialists to senior management.

WORK EXPERIENCE

Influx Info Solutions| May 2018 – Present   **Bangalore, India**

- Created and presented models for loan success factors, achieving a 20% improvement of approval decision time.
- Actively develop predictive models and strategies for effective fraud detection for credit and customer banking activities using K-means clustering using Python.
- Assisted quantitative analysis in assessing risk management of financial derivative products like foreign exchange products, bonds, funds, etc. Using machine learning techniques for providing appropriate investments recommendations using Collaborative filtering recommender system using python.
- Worked on large scale customer data and analytics using advanced machine learning and statistical models relying for issuing loan using Random Forest suing Python.
- Performed k-Means clustering in order to understand customer backgrounds and segment the customers based on the customer transaction behaviour information for customized product offering, customized and priority service, to improve existing profitable relationships and to avoid customer churn, etc using Python.
- Worked on interactive Dashboards for building story and presenting to business using Tableau.
- Work with Data Analytics team to develop time series and optimization.
- Led database manipulation of the Financial Aid Database across 16 different Branches.

EDUCATION

2015- 2018   **CHRIST UNIVERSITY**   **Bangalore, India**

- Bachelor of Computer Science

Imarticus Learning | Dec 2019 -Aug 2020   **Bangalore, India**

- Data Science Pro-degree (Completed)

» Data Interpretation & Analysis
» Fundamentals of statistics
» Predictive Modeling:
  - Linear Regression
  - Logistic Regression
  - Support   Vector Machines
  - Decision Trees
» Data Integration tools:
  - MySQL
» Analytical tools:
  - R - Basic operations, univariate and bivariate analysis, Predictive modeling
  - SAS - Basic & Advanced
  - SAS Data Management & Report Generation
  - Python - Predictive modeling
» Visualization tool:
  - Tableau – data organization, advanced visualization, mapping, data presentation

EXTRA CURRICULAR

Represented Christ University volleyball team in ALL INDIA SOUTH-ZONE inter-university competition.

INTERESTS & HOBBIES

- Keen interest in understanding in Stocks and come up with engineering solution through machine learning.
- Playing Games, watching YouTube videos are the things which keep me occupied in my free time.