KRISHNA DASARI

Mason, OH | (309) 826-4907 | kmdasari@yahoo.com | linkedin.com/in/kmdasari

DATA SCIENCE

Machine Learning | Predictive Modeling | Analytics

Accomplished, diligent and analytical professional with a passion for data and demonstrated success as a Data Scientist. Proven expertise in conducting advanced data analysis in support of business objectives; developing complex predictive and analytical models; and employing effective statistical, algorithmic and visualization techniques. Excellent interpersonal skills, with proficiency in leading teams and interfacing with stakeholders. Recognized by peers as an out-of-the-box and big picture thinker with an entrepreneurial mindset and strong problem-solving abilities. Experienced working with large complex data sets in distributed big data platforms (Hadoop & Spark). Comprehensive understanding of the full lifecycle of complex Data Science projects and agile development.

- Quantitative & Statistical Analysis
- Estimation Models
- Big Data
- Machine Learning
- Parallel & Distributive Computing
- Predictive Modeling
- Segmentation
- Customer Analytics
- Project Management
- Data Visualization
- Artificial Intelligence
- Process Improvement

TOOLS, METHODS & LANGUAGES

R, Python, Tableau, SQL, Spark, Scala, Hive, H2O.ai, Google Cloud, Linux, Oracle, Text Mining, Shell scripting, Regression and Classification Models, Random Forest, XGBoost, Neural Networks, SVM, PCA, K-Means, Bayesian, Deep Learning, Algorithms, Optimization

PROFESSIONAL EXPERIENCE

TEKSYSTEMS, Cincinnati, OH 2009 – Present

DATA SCIENCE, 8451.com (2016 – Present): 84.51° big data company with 10 petabytes of data is a wholly owned subsidiary of the Kroger. Supported a portfolio of projects as team lead and data science architect.

- Developed, evaluated and deployed machine learning and rule based algorithms for customer scoring and segmentation in Hadoop and spark.
- Applied parallel and distributed computing to process high transactional and dimensional data.
- Optimized algorithms for processing speed and accuracy
- Evaluated new tools and methods for building models.
- Collaborated with stakeholders to discuss business requirements and model development.
- Implemented predictive algorithms in Hadoop, spark, MapReduce, H2o, python, pyspark and R

Select Accomplishments:

- Improved accuracy and reduced cycle time by 75%.
- Designed innovative solution to address significant mid-project architecture change enabling the team to complete the project on time and within budget.

DATA ANALYTICS, STATE FARM INSURANCE & BANKING (2013 – 2016): Supported a portfolio of client projects as team lead and data analytics expert. Developed pipeline, tools, methods and work distribution. Applied machine learning algorithms to develop predictive models. Optimized algorithms to improve performance. Applied supervised and unsupervised learning algorithms.

Select Accomplishments:

- Saved $9 million in annual costs by developing a resource forecast using predictive model.
- Delivered project management success six months ahead of schedule through training, mentoring, identifying

projects, prioritization, development, and deploying in production.

IT KNOWLEDGE CENTER (2005 – 2013): Developed sizing model for infrastructure project efforts, benchmarking IT, finance and insurance industry data. Formed complex SQL queries, discovery analytics, and reports. Utilized advanced Excel including macros, pivot tables, and VLOOKUP to resolve analytics problems.

Select Accomplishments:

- Developed sizing model to measure infrastructure projects resulting in better visibility to senior management and optimum resource utilization.
- Saved millions in licensing fees by introducing open source statistical tool R to analyze data and develop predictive models using complex statistical functions.

SATYAM COMPUTERS, Bloomington, IL 2001 – 2009

CONSULTANT - SYSTEM METRICS (2001 – 2005): Created key performance indicators (KPIs) and supporting metrics. Introduced and institutionalized function point sizing, analyzed and monitored data using process behavior charts and applied inferential and descriptive statistics to test the hypothesis.

Select Accomplishments:

- Steered sizing model innovation efforts for infrastructure projects, resulting in copyrighting of the model and enterprise-wide implementation.
- Developed weight based predictive model to improve resource utilization selected for presentation at the European Software Engineering Process Group Conference in Amsterdam.

Established benchmarks and metrics based on function points implemented across the entire organization, improving resource utilization through effective measurement of quality and productivity.

EDUCATION

Bachelor of Technology, Mechanical Engineering, Nagarjuna University, India

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Data Science – John Hopkins
Machine Learning – Stanford Online
Tackling the Challenges of Big Data A, MIT
Certified Six Sigma Black Belt by ASQ
Certified Global Business Leadership, U21 Global and Harvard Business School Publishing
Certified in SAS analytical tool
Certified Function Point Specialist
Project Management Professional(PMP)
Certified CMM Assessment Team Member
Certified in ITIL V3

PRESENTATIONS & PUBLICATIONS

"Estimation Model for Requirements Modeler" EASEPG 2006 (Amsterdam)
"Estimation Model for Requirements Modeling" PSQT 2005 (Las Vegas)
"Software Estimation: Art or Science?" IFPUG 2004 (San Diego)