**Jaya Chandra**

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# PROFESSIONAL SUMMARY

* 4 Years of experience in SDLC, AGILE Methodologies, AGILE Manifesto and Scrum processes.
* Solid understanding and experience in applying and implementing machine learning algorithms and concepts such as: K-means Clustering (varieties), Gaussian distribution, decision tree etc.
* Experience in using Data Analytic tools like Alteryx, Micro Strategy and Knowledge on Adobe Analytics.
* Analyze Business problems from data and create predictive models Using Amazon Machine learning
* Created different schema objects like Attributes, facts by using MicroStrategy Architect of the MicroStrategy BI Suite.
* Hands on experience developing Interfaces in Mule Any Point Platform Consuming RESTful

services, RESTful with RAML and SOAP Web Services.

* Undertook HIPAA training for safeguarding US medical and healthcare information.

# Education

* MS in Computer Information Systems in University of Central Missouri, MO **Dec 2016**
* Bachelor in ECE in GITAM University , INDIA  **May 2012**

**Technical Skills**  
**Expertise**: Scikit-learn, NLTK, NumPy, SciPy, OpenCv, Deep learning, NLP, RNN, CNN, Tensor flow, Keras, matplotlib.  
**Machine Learning Algorithms**: Linear Regression, Logistic Regression, Decision Trees, Random Forest, K Means Clustering, Support Vector Machines, Gradient Boost Machines & XGBoost   
**Data Analysis Skills**: Data Cleaning, Data Visualization, Feature Selection, Pandas   
**Programming Languages**: Python, SQL, R, Matlab, C++, Java ,   
**Other Programming Knowledge and Skills**: ElasticSearch, Data Scraping, RESTful-Api   
**Tools** : Toad, Erwin, AWS, Azure, Mule Soft, Alteryx, Tableau, Adobe Analytics ,Anaconda

# Work Experience

# Data Scientist, Speridian Technologies Jan 2017-Present

* Analyze customer data sets to define/determine algorithms which enable highly relevant personalization, predictions, and other insights
* Interpret data and trends, and present product feature recommendations for the ML product roadmap
* Used Alteryx for Data Regularization.
* Progressive and experienced background in analytics and root cause analysis.
* Developed clustering and random forest models using R with 85% accuracy to predict Real Estate sale that led to increasing in profit by 12%
* Researches, develops and helps implement innovative pricing models based upon sophisticated predictive modeling/multivariate analysis.
* Experience using all these ML techniques: clustering, regression, classification, graphical models
* Applying regression methods on sales data and provided breakdown analysis to marketing team for targeting users.
* Performing statistical analysis and building statistical models in R and Python using various Supervised and Unsupervised Machine learning algorithms like Regression, Decision Trees, Random Forests, Support Vector Machines, K- Means Clustering and dimensionality reduction.
* Experience with AWS services, EC2, redshift, EMR.

# Data Scientist, DST Systems Jun 2012 – July 2015

* Trained Data with Different Classification Models such as Decision Trees, SVM and Random forest
* Performed Data cleaning process applied Backward - Forward filling methods on dataset for handling missing values
* Under supervision of Sr. Data Scientist performed Data Transformation method for Rescaling and Normalizing Variables
* Developed a predictive model and validate Neural Network Classification model for predict the feature label
* Performed Boosting method on predicted model for the improve efficiency of the model
* Conduct deep and continuous exploration of high-volume heterogeneous data.
* Work experience with large-scale data: many rows, many features and many categorical variables.
* Apply exploratory data analysis, engineering techniques, and machine learning to solve high-visibility problems.
* Analyzing transaction data to cluster users into segments and develop different marketing strategies for each cluster