**OBJECTIVE**

A proactive person seeking an opportunity to work as a Machine Learning/ Data Scientist utilizing analytical & statistical skills and relevant expertise to help the company achieve business goals while sticking to vision, mission and values.

**EDUCATION**

* Master of Science in Information Systems, South University, Florida (2015 – 2016)
* Masters of Technology in Computer Science, Andhra University, India (2012-2013)
* Bachelor of Technology in Computer Science, Andhra University, India (2008 – 2012)

**SKILLS**

* Proficient in algorithm and design techniques.
* Ability to document ML project requirements and assess deliverable timelines.
* Proficiency in manipulating and analyzing complex, high-volume, high-dimensionality data from varying sources.
* Perform data cleaning and data transformation activities using Python and R
* Visualization of big data in Python matplotlib and Seaborn.
* Practitioner of Data Mining methodologies like Cross Industry Standard Process for Data Mining (CRISP-DM) and Knowledge Discovery in Databases (KDD)
* Practitioner of Software Life Cycle Development (SDLC) process using different approaches like Waterfall, Agile, SCRUM and Test Driven Development (TDD).
* Proficient in MS Office applications (Word, Excel, PowerPoint, Access, Project)
* Experienced in presenting in an accessible way to executive-level stakeholders and colleagues alike to gain their support for data-driven initiatives and strategies.
* Guiding team members in implementation and execution of machine learning models at different levels of project life cycle.
* Highly motivated and a self-starter with effective communication and organizational skills
* Experienced in working with both technical and non-technical team members.

**PROGRAMMING LANGUAGES**

Python, Java, C, C++

**MACHINE LEARNING**

Machine Learning Techniques such as Data Preprocessing (Data Cleaning), Regression models, Classification, Clustering, Association Rule learning (Apriori), Reinforcement Learning (UCB and Thompsons Sampling), Natural Language Processing (NLTK, SpaCy), Text Mining, Data Extraction, Predictive Modeling, Statistical Modeling, Dimensionality Reduction (PCA and SVD) and Recommender Systems (Collaborative Filtering) .

**DEEP LEARNING**

NLP algorithms coupled with Deep Learning (ANN and CNN), Time Series Analysis, Speech and Text Analysis (RNN, LSTM), Recommender Systems (RBM, AutoEncoders), libraries such as Keras, Tensorflow and PyTorch

**DATABASE**

MySQL, Apache Spark, NoSQL (MongoDB)

**IDE**

Anaconda – Spyder, IPython / Jupyter, Eclipse

**EXPERIENCE**

**WB Solutions, Tampa, FL** (1.2016 – Till Date)

Client – **Claro Telecom Company**

Data Scientist / Machine Learning Engineer

Request Analyzer (NLP), Claims and Cancellations (Predictive Modeling)

* Mentored large scale data and analytics using advanced statistical and machine learning models.
* Designed a Request Analysis model using Natural Language Processing (NLP)’s nltk and spacy.
* Classified the image requests using CNN Classifier.
* Developed a predictive model using Random Forest Regression to predict the upcoming month’s claims and possible policy cancellations using XG Boost.
* Achieved efficiency of 86.2% in churning problem using XG Boost.
* Performed Data Cleaning to large quantity of data. Monitored the data using MySQL and Mongo DB.
* Worked with Data Visualization team which used Tableau, Performed data visualization using matplotlib.pyplot and Seaborn
* Discover patterns, formulate and test hypotheses, translate results into strategies which drive growth resulting in increased revenues and customer satisfaction.
* Interpreted complex simulation data using statistical methods.

**Environment:** Python 3, numpy, pandas, matplotlib, scikit-learn, Spyder, Jupyter, Apache – Spark, MLlib, CART, Random Forest, XG Boost, NLP, NLTK, Bag of Words, SpaCy, Deep Learning, Keras, Tensorflow, PyTorch, PySpark, Jira, MySQL.

**Omega Healthcare, Hyderabad, India.** (8.2013 – 7.2015)

Software Engineer (Machine Learning)

Search Engine and Data organization

* Designed and developed machine learning models in Apache – Spark (MLlib)
* Analyzed and trained large datasets using various machine learning algorithms to provide strategic direction to the company
* Performed data cleaning on large datasets using data preprocessing methods which resulted in reduction of processing errors by 20% and conserved storage space of 2TB.
* Developed algorithms using classification models to determine the supply – chain efficiency.
* Developed search algorithm for patient’s medical records.
* Developed a program based on time series analysis to analyze and predict the stock price of the company.
* Applied machine learning models to Terabytes of data.

**Environment:** Python 3x, Anaconda – Spyder, Apache – Spark, Eclipse, TF-IDF, Association Rule Learning, Apriori, pyspark, numpy, pandas, scikit – learn, Eclipse, Regression, CART, MySQL, Dynamo DB

**Electronics Corporation of India Ltd, Hyderabad, India** (4.2012 – 4.2013)

Machine Learning Engineer – Intern

Project Title: Socio Economic Caste Census (SECC)

* Collected and analyzed large amount of data from all states of India.
* Performed Data Preprocessing and Data Cleaning and organized the collected data.
* Classified and organized the data with respect to gender, region (urban and rural), financial report, religion and caste.
* Applied machine learning (clustering) and statistical models to the collected data.
* Created Data classes and DB tables for integrating with external systems using MySQL
* Worked in Agile Methodology development

**Environment:** Python 2.7, Java, Eclipse, Anaconda – Spyder, MySQL, Agile

**Eastern Naval Command, Visakhapatnam, India** (3.2011 – 3.2012)

Machine Learning Engineer – Intern

Implementation of Document Management Solutions

* Worked on end to end creation of the application.
* Worked with huge datasets. Performed data cleaning and preprocessing.
* Developed Use Case diagrams, Class diagrams and Sequence diagrams to express the detail design.
* Identify reusable components and implement accordingly.
* Involved in Agile Methodology development including Design, Systems Development, Testing, Systems Integration, Installation and Deployment.
* Created Data classes and DB tables for integrating with external systems using MySQL
* Involved in Integration – Connecting to systems internally and external to the organization.

**Environment:** Python 2.7, Java, Eclipse, Anaconda – Spyder, MySQL, Agile

**INTERNATIONAL JOURNAL** **PUBLICATIONS:**

“PERFORMANCE ETIQUETTE OF CLIENT AND SERVER”

<http://www.ijrcct.org/index.php/ojs/article/view/1062>

*Willing to travel and relocate.*

*References provided upon request.*