

# CURRICULUM VITAE

**JOGESWARA RAO BAIPILLI**

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My research goal is to solve real problems in industry using emerging techniques in Machine Learning. My focus is on interdisciplinary fields of Data Analytic tools, Machine Learning more specifically statistical and big data processing for knowledge discovery, information extraction and classification models.

## Technical Skills:

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Programming languages: R, Python, Java, C, C++.

Data Structures and Algorithms: Familiarity with theoretical foundations required for  
Algorithmic Computations and Machine Learning Research.

Frameworks: Scikit-learn, Tensor Flow, NumPy, SciPy, Pandas, NLTK, SPSS and Advanced MS Excel

Database Systems: MySQL

## Experience: (Dec'19-till to date)

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I have Total 3.6 years' experience as **Data scientist/Risk Analyst** from Jan'18- till to date.

### 1. MONEYTAP

(Mar'21-till to date )

**Project: Risk and Account Management**

**Role: Risk Strategy Data Scientist**

Analysis of accounts performance, observing credit score to block and unblock accounts based on policies and research hidden aspects for future risk.

## Responsibilities:

- Analyze data to better understand potential risks, concerns with Machine Learning Models.
- Automation of frequently generating reports, summaries, presentations, and process documents to display results with Python Programming.
- Created and Monitoring Python Based Business Intelligence Dash Board.
- Collaborate with other team members to effectively analyze and present data.
- Conduct research into potential clients and understand the risks of accepting each one.

## Tools and Technologies:

- Programming Language: Python.
- Frameworks: scikit-learn, NumPy, SciPy, Pandas. and Advanced MS Excel
- Database Systems: MySQL
- Tool: Anaconda, Tableau

**Project: Automation of e-mail reply system****Role: Data Scientist**

Upgrading from e-mail manual process to automatic e-mail reply message system of different customer email requests, preparing reply message according to customer email request and client policies. . Client have fixed manual reply functions, to fix the how many functions required for as per customer request text using NLP algorithms.

**Responsibilities:**

- Understanding the customer email text using NLP techniques
- Finding type of customer request as per client process (Manual handling functions)
- Understanding client policies and updating of customer data in database
- Preparing email reply text and choosing suitable reply template

**Tools and Technologies:**

- Programming Language: Python
- Frameworks: scikit-learn, Tensor Flow, NumPy, SciPy, Pandas.
- Tool: Anaconda, NLTK

**Company Name: Rastriya Ispat Nigam Limited****Project: Customer Sales and Risk Management**

- ✓ Formulating machine learning approaches while identifying fraud risk and credit risk within real-time transaction streams and attention to business metrics, designing features from the Risk management data available from many sources, and training, evaluating, and deploying ML models.
- ✓ Developed a new framework utilizing business knowledge on credit management data with machine learning techniques to achieve valuable insights into business data
- ✓ Developed predictive models for ERP system having varying strengths and weaknesses that are highly industry specific.

**Tools and Technologies:**

Programming Language: Python, Java.

Frameworks: scikit-learn, Tensor Flow, NumPy, SciPy, Pandas. and Advanced MS Excel

Database Systems: MySQL

Tool: Anaconda, Weka.

**Education:**

**PhD:** Research Scholar under the guidance of Prof B.Prajna in the Department of Computer Science and System Engineering in Andhra University (AP) from 2014 to 2019(converted part time scholar from January 2020).

## Research Papers:

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- 1) **Clustering of ILPD Dataset with K-means, Hierarchical and DBSCAN Algorithms-** B. Jogeswara Rao, K.Swapna, Prof. M.S. Prasad Babu and paper was published and presented in 102nd Indian Science Congress Association., Mumbai 2015
- 2) **Implementation of PSO Algorithm on Ongole Breed Cattle Expert Advisory System-** Prof.M.S Prasad Babu and B.Jogeswara Rao, paper was selected in International Journal of Advanced Research in Computer Science (IJARCS) and 98th Indian Science Congress Association (ISCA),2010.
- 3) **A Critical Study of Big Data Techniques and Predictive Analytics Algorithms-** B. Jogeswara Rao, Prof.M.S. Prasad Babu International Journal of Computer Sciences and Engineering Vol.-6, Issue-12E- ISSN: 2347-2693, Dec 2018.
- 4) **The Comparative study of Big Data tools and deployment platforms** B. Jogeswara Rao, Prof.M.S.Prasad babu International Journal of Scientific Research in Computer Science Applications and Management Studies Volume 7, Issue 5 ISSN 2319 – 1953. September 2018.
- 5) **A New Predictive Analytics Framework In ERP Systems For Steel Industry – Decision Making Models For Some Operational Problems--** B.Jogeswara Rao, Prof.M.S.Prasad Babu , Dr.S.Hanumanth Sastry Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 13- Special Issue, 2018.
- 6) **A new methodology to perform big data analytics on business warehouse data-** B.Jogeswara Rao, Prof .M.S.Prasad Babu, Dr.S.Hanumanth Sastry International Journal of Innovative Research in Science, Engineering and Technology January 2019.

## Personal Profile:

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Father's Name : APPALA SWAMI

Date of Birth : 04<sup>th</sup> July 1984

Address : B. Jogeswara Rao  
D.No:7, #14, First Cross,  
Green House Layout, Electronic City-1,  
Bangalore, Pin: 560100.

## Declaration:

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I hereby affirm that the information provided by me is accurate and true to the best of my knowledge.

PLACE:  
DATE:

(JOGESWARA RAO.B)

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