



Bala Iyappa S

+91-9600115514

sbalaiyappa@gmail.com

#10 Devaki ammal
street,

Shenoy Nagar
Chennai – 6000030
Tamilnadu.

SUMMARY

A Machine Learning Engineer passionate about technology and solving real world problems with an experience in limited datasets and developing new products.

SKILLS

- Proficient in machine learning and deep learning skills for multiple applications.
- Strong background in Mathematics, Statistics and have very good analytical and problem solving skills.
- Worked in Python using libraries NumPy, SciPy, Scikit-Learn and Pandas.
- Proficient in generating models and versioning in GIT.
- Worked in following algorithms - Regression (Linear / Huber / Lasso / Ridge), Logistic Regression, SVM, KNN, Random forest, Apriori, Eclat, PCA, Keras, CNN, RNN, Neural Network, Chat Bot, Natural language generation (NLG) & Natural Language Processing (NLP).
- Experience in Hypothesis testing using Chi Square, Correlation and Linear Regression for Analytics using SPSS in MBA Case study.
- Able to pick up new tools / technology / concepts quickly by taking ownership.
- Strong coding ability in producing clean and efficient code, as well as debugging and understanding large code bases.

PROJECT EXPERIENCE

- Twitter Sentiment Analysis of Movie Reviews using Machine Learning Techniques.
- Heart-disease-detection - Diagnosing heart disease by using Particle Swarms optimization algorithm for feature selection and random forest algorithm for detection.
- Performed different analysis using Regression (**Linear** / **Huber** / **Lasso** / **Ridge**). Worked on the usage of K-nearest neighbors algorithm (**K-NN**) to plot the decision boundaries for various classes.
- Worked with hierarchical system of convolutional neural networks (**CNN**) using MNIST & LFW datasets. Worked with Recurrent neural network (**RNN**) using Shakespeare's sonnets dataset.
- A study was performed in real time to determine customer's acceptance of electronic payments using online transactions. This was achieved with the following methods Percentage Analysis, Chi-Square, Correlation and Regression.

CITICORP SERVICES INDIA PVT LTD.

ROLE : SBO & INVESTIGATIONS BANKING ANALYST

- Classify and Respond all swift messages based on wire transfers to other banks. This may include recall requests, more information, etc.
- Obtain approval from the Compliance while remitting a Non-standard currency to a client/ business entity who fall under False red flag/ having history of fraudulency in money laundering
- Investigate and resolve payment issues returned to CPB or Nostro with agreed standards and protocols.
- Resolution may include resending payments or re-crediting client accounts.
- Extensive knowledge of banking and regulatory policies like MIFT, KYC & DF Regulations.

TALPEO SOFTWARE SOLUTIONS PVT LTD.

ROLE : BUSINESS ANALYST

- Analyzed to help achieve Business Goals and meet customer needs.
- Helped in planning and designing business processes and made recommendations for improvement.
- Gathering, identifying and documenting business requirements.
- Explaining technical jargons to non-technical / commercial teams.

EDUCATION AND CERTIFICATIONS

- **Master of Business Administration in Technology Management.**
- **Bachelor of Engineering in Electrical and Electronics Engineering.**
- **Hindi M.A.**, obtained through **Hindi Prachar Sabha.**
- **Sanskrit – Kovidha.**, obtained through **Bharatiya Vidya Bhavan.**
- **Business English Certificate** - Preliminary, certified by University of Cambridge.

AREAS OF EXPERTISE

- Data Analyzing, Cleaning and Engineering.
- Taking ownership and delivering tasks on time.
- Strong co-ordination amongst cross functional teams.
- Quick Learner with good communication skills

I declare that all the information furnished above is true to the best of my knowledge.

S.BALA IYAPPA