Rakesh Gowda S N

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SUMMARY

- A quick, relentless, continuous learner and enthusiastic about new challenges and opportunities in the field of **Artificial Intelligence (AI) and Machine Learning (ML).**
- Looking forward to build products using innovative methods and be a pioneer in the field of Intelligent automation and hyper automation.
- Always on the lookout for new and updated methods through articles and research papers to improve the design and approach.
- Experience in requirement gathering, design, development, testing and change management of overall 5 years (1.8 as VisionPlus developer and 3.2 as **Machine Learning Engineer**).
- Domain Expertise – Cards and payments (Banking).

SKILLS

Technical skills: Classification, Regression, Clustering, Ensemble techniques, Dimension reduction, Recommendation systems, TensorFlow, Keras, Convolutional Neural Networks (CNN), Transfer Learning, Computer Vision, Natural language processing (NLP), Supervised machine learning, Unsupervised machine learning, RNN, LSTM.

Programming Languages: Python, COBOL, Easytrieve

Project Management: Spira, Jira

Others: IBM-Z, py3270, Flask, Docker, Machine learning, Deep learning, GCP, Kubernetes

EXPERIENCE

Infosys *- Senior Associate Consultant - EMEA*

April 2021 - Present

- Maintain state-of-the-art technical expertise in artificial intelligence, machine learning and software programming. Planning and executing complex and challenging technical projects. Drive the client stakeholder engagement plan to scope the overarching opportunity.

Attra Infotech *– Senior Software Engineer - APAC*

August 2016 - March 2021

- Early member of newly formed ML team to develop POC project for existing clients. Worked on projects related to new product launch (credit cards), delinquency aging, detecting fraudulent transactions, recommendation systems, NLP for statement change etc.

PROJECTS

- **Tesco Platinum:** This project was related to a new card launch (card upgrade). Using the existing features like account open date, credit limit, delinquency, BOT criteria, block codes, we built a classifier model to check whether the customer is eligible or not for the new upgraded product. Here we used Logistic regression, Naïve Bayes, KNN and SVM models to train and test the data. Compared the results and implemented SVM model as it was more suitable and efficient for the project compared to other models.

- **Falcon I:** This was the POC project we had worked on. It is a credit card transaction fraud detection system. Here we used random sampling, outlier detection and removal, PCA for dimensionality reduction, classification models like Logistic regression, Support vector classifier, Random Forest classifier and KNN. Here as we had multiple features and since it was a multiclass classification Random Forest performed well compared to SVM and other models. SVM was computationally intensive for these kinds of scenarios where we use huge data (large number of data points).

- **X Entity:** This project was designed to check the probability of a customer who is likely to buy a new product across entities. Here we have used PCA for dimensionality reduction as the project impacts whole base, SVM model, standardized the data, treated outliers with z-score, KNN imputer, etc.

ACADEMIC PROJECTS

- **Advanced Computer Vision - Object Detection and recognition -** The project involves 4 sub segments. Part 1 Implement an object detection model for highlighting human faces to automate the process of providing information of cast and crew while streaming. Part 2 Curate a training dataset to be used for highlighting human faces. Part 3 Implement a face identification model for a company, which intends to recognize human faces form images.

- **CNN Architecture and Transfer Learning -** This project involves 5 sub projects including a CV powered GUI to solve the problem of a botanical research group. Part 1 Image classifier capable of determining a plant's species. Part 2 Detailed analysis on how CNN is a better image classifier over traditional methods Part 3 Curating an image dataset for a brand research company Part 4 Image classifier capable of determining a flower's species Part 5 Submit the strategy to maintain and support the AIML the model in production.

- **Sequential NLP –** This project 2 sub projects. Part 1 (Sentiment Analysis): Build a sequential NLP classifier which can use input text parameters to determine the customer sentiments. Part 2 (Sarcasm Detection): Build a sequential NLP classifier which can use input text parameters to determine the customer sentiments.

- **Statistical NLP –** This project involves 2 sub projects including an interactive semi - rule based chatbot. Part 1 The need is to build an NLP classifier which can use input text parameters to determine the label/s of the blog. Part 2 A semi rule-based chat bot which can accept dynamic text-based questions from the user and reply back with relevant answer from the designed corpus.

REWARDS AND RECOGNITION

- *First in the newly formed team to be awarded with* **"RISING STAR AWARD"** *for excellent analytical skills and fine-tuning models by coming up with new approaches and methods.*
- *Awarded with* **"SPOT AWARD"** *on multiple occasions for outstanding performance in given projects.*

EDUCATION

Great Lakes Institute and The University of Texas at Austin (2020-Ongoing)

Post Graduate Program in Artificial Intelligence & Machine Learning – 97%

ACS College of Engineering affiliated to VTU (2012-2016)

B.E. in Electronics and Communication – 60%

Dayananda Sagar PU college (2010-2012)

PCMB – 59%

St. Joseph's Boys School (2001-2010)

84%