

# Anil Gujiri

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## - SUMMARY -

Accomplished, decisive, result oriented finance professional having **4 years of experience** in end-to-end technology solutions – **Application Development, Data Science, Machine Learning, Deep Learning., Natural Language Processing** in one of the largest stock exchanges of the world.

## -TECHNICAL SKILLS-

**Key Work Areas:** Application Development, Data Science, Amazon Web Services (AWS)

**Languages:** Python, Java, C, JavaScript

**Frameworks:** Keras, TensorFlow, Hadoop, Spark, AWS Sage maker

**Databases:** Oracle SQL, HDFS, Hive

**Version Control Systems:** SVN, GitHub

**Operating Systems:** Windows, Linux (RedHat/Ubuntu)

**Methodologies:** Agile, Waterfall

**ML Algorithms:** Linear Regression, Logistic Regression, Decision Tree, SVM, Naive Bayes, kNN, K-Means, Random Forest, Principal Component Analysis, Gradient Boosting algorithms, XGBoost, KMeans Clustering, DBSCAN, ANN, CNN, RNN, LSTM, Transformers, Encoders Decoders, Attention Models

## - WORK EXPERIENCE -

**National Stock Exchange, Mumbai – Associate Systems Analyst (07/2018) – present**

- Supervised and led team members for RISK Management and operational processes.
- Heavily involved in day-to-day SDLC process, developing ML solutions and maintenance.
- Successfully deployed 3 end to end Machine Learning Models on production within a Span of 2 years.

### PROJECTS:

#### 1) APT Auto Process Trigger

Auto Triggering of processes based on the Error/Info logs received. Effective decision to be made as to when and at what sequence the processes is to be triggered.

Skills: NLP, LSTM, RNN, Naïve Bayes, Support Vector Machines, Kmeans, Linux Shell Script, AWS, SQL, Java, C programming

## **2) Enablement Disablement System**

To classify and notify trading and clearing members who are to be suspended based on the margin accumulation in order to mitigate the risk of Margin suspension.

Skills: DBSCAN, Logistic Regression, Random Forest, Support vector machines, Decision tree, Gradient Boosting, Java, SQL, JavaScript, Servlet

## **3) Volatility and Margin Risk Mitigation**

Calculate different limit and volatility for all Trade contract on daily basis based on the number of trades received for the previous day.

Skills: Decision tree, Random Forest regression, Ensemble Techniques, Linear regression, Artificial Neural Network ANN, A/B testing, SQL, Linux shell scripting, C

## **4) Stress Test - NSE Pvt Ltd**

To evaluate different systems based on the volume of trades, time intervals, capacity of server, etc. for precautionary measures to be taken.

Skills: Core Java, Linux Shell Script

### ***NSE.IT Pvt Ltd, Mumbai – Trainee Associate Systems Analyst (07/2017) - (06/2018)***

- Involved in engaging with client on daily basis to download the requirements and develop the automation tool.
- Successfully complete the project within six months from requirement gathering to handover
- Undergone multiple training sessions to improve technical skills and to learn Data Science

### **PROJECT:**

#### **1) Risk Automation - NSE Pvt Ltd**

Developing tools for testers to simplify workflows where each task is simply hit and data is populated along with visualization.

Skills: Core Java, Excel VBA, SQL, Linux

## **- E D U C A T I O N -**

### ***Bachelors in Electronics and Telecommunication Engineering (2014 - 2017)***

*Don Bosco Institute of Technology, Mumbai*

### ***Diploma in Industrial Electronics (2011 – 2014)***

*VPM's Polytechnic, Thane*

I hereby declare that the above-mentioned information is correct to the best of my knowledge and I bear the responsibility for the correctness of the mentioned particulars.