

Ramprabhu Sreekrishnan

Data Scientist / Mainframe Project lead

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Date of birth 1979-06-05

My AI Blog

<https://datasciencenuggets.blogspot.com/>

GitHub <https://github.com/ramdatascience>

LinkedIn

<https://www.linkedin.com/in/ramprabhu-sreekrishnan/>

2+ years of **Data science & Big Data experience** in Live projects and POC's along with **7 years of Mainframe Programmer** experience. Certified **Scrum master** with **AGILE** expertise and Waterfall project management exposure across **Insurance, Retail, Automotive and Transportation & logistics** domains. **ML model deployment** experience using **REST API** build on **FLASK**-enhanced through **Docker** .

Core Competencies

- Moved from Mainframe to Data science stream as **self-learner**
- **AGILE(Scrum)** process experienced
- **Enhanced** the **Project status update** using **Gantt chart** (Inter-team and stake holders)
- Deploying ML models using **REST API** build on **Flask** (Python Framework) .
- **Fault tolerance** and **scalability** of REST API using **Docker Containers**.
- **NoSQL – H-Base, MongoDB** CRUD operations & Aggregation.
- **POC** for inventory and product sales update dashboards using data from **DB2 --> Scoop -->HDFS -- > Hive --> Tableau**.
- **Achieved** streamlining the **Mainframe Jobs** Outputs for **Data Analysis** process and **production move** using Version controller tool.
- **Projects: Malware Classification** model using **CNN** and Customer feedback classification in to pre-defined classes.
- **Improved** the **data analysis** process of **pre-running classification model** and achieving **10%** more **accuracy score**.
- EDA and predictive modelling using Python for Customer segmentation & Regression models
- Working on Evaluation Matrices like **MSE, R2, F1 score, Confusion Matrix & ROC curve**.
- working knowledge on **LSTM** and **GAN** using **Keras**
- Tableau for Calculations, **Parameters, Bins, Sets, Maps** and **Trend Lines**.
- Handled a **project team** of **8 members** and involved in **Project management** activities

Experience

2019-01 - 2020-01

Internship for Deep learning & Trainer

Brigz Technologies & Hope Tutors

- Enhanced the Business Forecasting by Classifying automatically the customer feedback in to pre-defined categories using the **text analytics(NLP)** .
- Further down the line each Categories would be processed through **Sentimental Analysis** for Marketing Strategy.
- Created machine learning models using scikit-learn for customer classification Model with reports of **precision, recall , accuracy %** and **F1 score**.
- Created model using Pyspark (POC)for the future increase in dataset volume.
- Sharpened the skill on Image classification using CNN and MLP.
- Prepare a POC for RNN model building using Keras .
- Gained deep working knowledge on Gradient Descent optimizer along with Adam optimizer for Neural Networks.
- Model deployment using REST API using flask.

Title: POC for Malware Classification model

Skills : Python,Keras,numpy

Deep neural network will group different types of collected malwares according to their family groups.The Collected malware binary file will be converted into binary vector from which images can be formed. These malware images are trained on convolutional neural network for further classification into different malware family.

Title: POC for Inventory and Weekly Sales Analysis Report

Skills : DB2, Scoop,HDFS, Hive,Tableau

Prepared POC for a client to provide Inventory and Weekly Sales Analysis Report using **tableau**. The weekly data from **DB2** system is moved to **HDFS** through **Sqoop Ingestion** operation and been aggregated using the **HIVE** system. The aggregated data is been transferred to various systems one among that is was our Sales and report process which uses Tableau BI tool for the dashboard.

2018-01 - 2018-06

Junior Data Scientist/ Mainframe Lead

Scintel Technologies

Client : Macy's Retailers

As a Data Scientist, was responsible for

- Macy's **Customer Churn analysis** done for specific zones
- Deploying ML models using **REST API** build on **Flask**(Python Framework) .**Fault tolerance** and **scalability** of REST API using **Docker Containers**.
- **NoSQL - MongoDB** CRUD operations,Aggregation Framework & Data Modelling.
- Improved the **data analysis process** of pre-running classification model and achieving **10% more accuracy score**.
- Supporting the Data science pipeline (**web application** team).
- Enhanced the Project status update using Gantt chart (Inter-team and stake holders)
- Working with various Machine learning algorithms and their respective evaluation process Confusion Matrix & Accuracy.
- Extensive **EDA** process with **Matplotlib** and **Searborn** plots and graphs

Skills : Python, COBOL, Tableau, Machine learning, JCL,DB2,vsam

2016-08 - 2017-07

Module Leader

Tech Mahindra

Client: Nissan Automobiles

- **Actively** helped in streamline the **Mainframe Jobs(monthly Jobs)** to be used for **Inventory Regression** analysis .
- Regularized using Lasso algorithm.
- **Core team member** of the **Beta project** for the **Inventory forecasting** using **ARIMA**
- **Enhanced the Project status visibility using Gantt chart (transparency with respect to inter-team and clients)**
- Coding using COBOL, JCL and program enhancement.
- Testing – preparing test case to bug fix and Unit Testing

Skills : Python,COBOL, Tableau, Machine learning, JCL,DB2,vsam, Endevor, File-Aid

2010-02 - 2012-04

Scrum Team Member

Infosys Technologies

Client: Smith Barney

- Scrum master, Daily stand ups, burn downs, Product backlog, Sprint backlog, Sprint planning meeting, Sprint release planning.
- Directly Interacting with the Onsite Team for Requirement & Specifications.

2007-09 - 2009-09

IT Analyst

Tata consultancy Services

Client: Woolworths -Australia & Newzeland

- Maintenance and Enhancement of HOST Applications
- Providing Temperory solution to the abend jobs in Production.

2004-06 - 2007-07

Software Engineer

Satyam Computer services Limited

Client: Ford Motors & Overnite Transportation

- Responsible for all small enhancements and moderate or cosmetic production support code fixes are implemented in releases managed using SDM.
- Responsible for all enhancements should cover the standard SDM processes of Id & Assess, Analysis, Design, and Build (including testing).

Education

1998-07 - 2001-04

Bachelor of Engineering (University of Madras)

BE- Computer Science Engineering

66% - Regular

Project: Compilers for C

1996-06 - 1998-05

Diploma in EEE (Panimalar Polytechnic)

Diploma in Electrical and Electronics Engineering

89% (Distinction)

University : Directorate of Technical Education

Skills

Technology/Libraries : Tensorflow, Keras, Hadoop, Pyspark, Kafka.

Database : MySQL, H-Base, MongoDB, DB2, SQOOP, HIVE.

Languages : PYTHON, Cobol, JCL, VSAM.

Tools/Packages/Framework: Pandas, Numpy, Scikit-learn,NLTK,Spacy

Containers: Docker

CLOUD: GCP,BigQuery,BigTable