**Saipraveen Vabbilisetty**

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Work Authorization: F-1

**Objective** Seeking Full Time Opportunities in the field of Data Science**.** Junior Data scientist with 2+ years of experience in implementing various use cases of Data Science skilled in Machine Learning, Big Data Analytics and Statistics.

**Technical Skills**

Programming Languages*:* Python, Java, R, TCL

Databases and Tools*:* My SQL, MongoDB

Machine Learning/Deep Learning Tools: Tensor flow, sckit-learn, OpenCV (Computer Vision), Pandas

Big Data Analytic Tools: Hive, Pig, Spark, Spark SQL, Kafka

Web Editors*:* PHP, Django, JSP, Servlets

Version control*:* TCM, SVN, Git, CVS

**Education**

*Masters in Computer Science (Data Science) at* ***University of Texas at Dallas*****GPA: 3.901/4.0 (December 2018)**

*Coursework:* Big Data Management and Analytics, Algorithms analysis and Data Structures, Machine Learning, Database Design, Deep Learning

*Bachelor of Technology,* Electrical and Electronics, **May, 2015.** *Amrita Vishwa Vidyapeetham, Karnataka*, India. **GPA:9.08/10.0**

* Winner of Academic Excellence award for the years 2012-13&2013-14.
* Winner of “Karthik Kalaichelvan Memorial award” for academic excellence from 2011-2015.

**Work Experience**

*QA Software Developer Co-op***, Nokia Solutions and Networks January 2018- August 2018**

* Designing “End2End Regression Run and Result Manager” framework using Python (pandas, openpyxl) and TCL.
* Developed a script which interacts with Regression testbeds and gets the status of Regression Runs (Python, Beautiful Soup)
* Automating Performance Comparison Reports, PLM numbers and Regression Failure Reports using Dataframes.
* Designing Data Analytic models for Per Call Measurement Data using Python (Data Science Libraries).

*Software Design Engineer Intern,* **Nokia Solutions and Networks June 2017-August 2017.**

* Automating KPIs and developing a web portal for them using Python, Django Web Framework, SQL, Bootstrap.
* Designing an analytical model using Machine learning algorithms (Random Forest) which would predict the number of software glitches and determine the quality of Software sub system.
* Automating tasks in Excel using Script made with the help of Python Libraries openpyxl, pandas.

*Associate Software Engineer,* **Robert Bosch Engineering Solutions**  **July 2015-July 2016.**

* Application Software platform based projects on Value added Functions for ESP.
* Developing and Testing Automatic Emergency Brake and Hill Descent Control Software.
* Mastery over Automotive Embedded Software such as ETAS, ASCET, ATT.

**Academic Projects**

*“****Estimating Battery Reserve using Weather Forecasting and Optimization”****.* A neural network predicated algorithm for sooth saying the wind velocity is presented. The algorithm predicated is Back Propagation Neural Network (BPN) technique. Assuming the average load at a place is taken constant, calculation of the battery reserve for a day with the avail of OPTIM tool is done. -**Undergraduate Academic Project**, **May-2015**

***“The Design and Implementation of an E-Commerce Site”*** An E-Commerce Dynamic Website was designed for retail sales directly to consumer using PHP which is compatible with both MY SQL and No SQL. -**Database Design, January-2017**

**“*Data Analysis on Yelp Dataset*”** Developed an application which allowed users to find the top restaurants at a given area based on user ratings.

Technologies used: PySpark, Spark SQL. -**Big Data Analytics and Management, December-2017**

**“*Per Call Measurement Data Analysis”*** Developed a job chaining framework which enables the Developer to retrieve all the failed records from a unstructured Call Measurement records and retrieve its corresponding history from billions of records.

Technologies Used: Python, Pandas. **-Nokia Networks, May-2018**

***“Facial Emotion Recognition”*** and ***“Bikes Classification”*** using the concepts of Deep Learning. Processing the images of dataset using Computer Vision, developing the model using Convolutional Neural Networks.

Technologies Used: Tensorflow, Python, OpenCV -**Deep Learning, August 2018**