**Saipraveen Vabbilisetty**

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Work Authorization: F-1

**Objective:** Seeking a Summer Internship which improves my passion for developing new solutions.

**Technical Skills**

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

Databases and Tools*:* My SQL, MongoDB

IDEs and Web Editors*:* PHP, Django, JSP, Servlets.

Big Data Analytic Tools: Hadoop Map Reduce, Apache Hive, Apache Pig, Spark, Spark SQL, Spark Streaming, Kafka.

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

**Education**

*Masters in Computer Science (Data Science) at* ***University of Texas at Dallas*****GPA: 3.889/4.0 (December 2018)**

*Coursework:* Big Data Management and Analytics, Algorithms analysis and Data Structures, Machine Learning, Advanced Computer Networks, Advanced Computer Architecture, Database Design

*Bachelor of Technology,* Electrical and Electronics, **May, 2015.** *Amrita Vishwa Vidyapeetham, Karnataka*, India. **GPA:3.63/4.0**

* 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**

*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.
* Integrating data that are related to Key Performance Indicators and making data visualization using Power BI, Visual Basic, Microsoft Office Suite.
* 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.
* Worked on reducing the high beam during night travel using Control Engineering, Optics, Solid state physics.

**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. The results showed that this model could be applied to weather prognostication quandaries. 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.**

**“*App Finger Printing*”** Learning fingerprints of apps using HTTP data exchange. Weights Biasing is done using KMM, KLIEP techniques. Classification of apps is done using SVM technique.

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

***“Temoc Park -Designing a Car Parking Lot for UTD”*** Developed a Parking Lot Management System which allowed users to buy permits, pay fines and guide them to a vacant parking spot with the help of Object Oriented Principles and Design Patterns. Built this on Java backend, MySQL as database and a combination of HTML, CSS and JS frontend. Middle Tier: JSP Servlets.

**-Object Oriented Analysis and Design, December 2017**

***“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.**

Implementing “***Fog Computing*”** using the concept of Multi-threading. The main goals of this project are to exchange periodic updates which gives information about their queuing delays, responding to the requests from clients, fog to fog request offloading. -**Advanced Computer Networks, December 2016.**