Saipraveen Vabbilisetty

Dallas-TX 75252. sxv165130@utdallas.edu; Mobile: +1(469)348-8446
Work Authorization: F-1

Objective: Seeking a Fall Internship/Co-op -2017.

Education

Masters in Computer Science (Data Science) at University of Texas at Dallas **GPA: 3.85/4.0 (May 2018)**

Coursework: Advanced Computer Networks, Advanced Computer Architecture, Database Design, Big Data Management and Analytics, Algorithms analysis and Data Structures, Operating Systems.

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.

Technical Skills

Programming Languages: C, C++, Java
Operating Systems: Windows, LINUX.
Databases and Tools: My SQL, Mongo DB.
IDEs and Web Editors: JavaScript, CSS, JSON, XML, JQuery, AJAX, Bootstrap, HTML, PHP.
Big Data Analytic Tools: Hadoop HDFS, Map Reduce, Apache Hive, Apache Pig, Microsoft Azure.
Simulator: Gem5
Designing tools: UML
Version control: TCM, SVN.

Work Experience

Associate Software Engineer, Robert Bosch Engineering Solutions, India. **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

"***Developing Software for Automatic Emergency Braking, Trajectory Corridor Handler and Ax Libraries"*** in Visual Basic C++ using the concepts of Object Oriented Programming from the requirements of the client obtained from Robert Bosch Gmbh. After the Software is developed, performed three levels of Testing for the built software (Using ASCET Testing Tool Suite) **-Robert Bosch Pvt Ltd, July'15-July'16**

*"**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.**

"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.**

"Cache Design and Optimization" The objective of the project is to fine tune the cache per different specifications and configurations like cache size, block size and associativity to obtain an optimized CPI.

- Advanced Computer Architecture, November 2016.