NARENTHARAA GURUSAMY VIVEKANANDAN

7777 McCallum Blvd, #103, Dallas, Texas – 7525

Email: nxg152030@utdallas.edu   https://www.linkedin.com/in/narenvivek   **Phone**: (469)-831-7419

Objective: Seeking a summer internship in software engineering to utilize resourceful experience and academic skills to effectively add value to the organizational operation.

Education:

Master of Science in Computer Engineering	**Expected** May 2017
The University of Texas at Dallas, Richardson, Texas	**GPA: 4.0**
Bachelor of Technology in Electrical Engineering	July 2009-May 2013
SASTRA University, India	**GPA: 8.07/10**

Technical Skills:

- **Programming Languages** : C, C++, Java, Android.
- **Web Technologies**   : HTML, CSS, JavaScript, Java EE, Spring, Spring Boot, JQuery, REST, AJAX
- **Software**   : Eclipse, Android Studio, Photoshop, Spring Tool Suite, Code Composer Studio, GitHub, KEIL uvision 4
- **Testing Frameworks**   : Junit
- **Database**   : MySQL, OraceSQL
- **Servers**   : Apache Tomcat
- **Protocols**   : I2C, SPI, UART, TCP/IP

Work Experience:

Software Engineer, Accenture private limited   November 2013 – May 2015

- Developed an application for event registration during training by using Spring Framework MVC model, which had both user and admin login to manage the events based on different constraints.
- Created custom business rules and scheduled them using custom jobs to support Material Cataloguing in groovy language
- Generated key performance metrics in Java to identify the maintenance master data quality.
- Designed an additional functionality to the application NRX to generate automated Reports when the user clicks on reports tab, where the data is retrieved from the oracle database and presented in an excel file.
- Troubleshooted complex technical issues in the source code in the application supported like NRX, ASSAI.

Academic & Individual Projects:

Event tracker Android App   November-2015

- The event tracker is developed for the android platform, it is used to list all the events (department, fun, technology) that takes place both within and outside university. The application provides features like bookmarks, notifications of events and has multiple categories to search them.

UNIX v6 file system, University of Texas at Dallas   November-2015

- Designed and developed a program which will allow a Unix user access to the file system of a foreign operating system, the modified Unix version 6.

Maze Game in MSP430, University of Texas at Dallas   October-2015

- Developed a maze game in level1 and snake game in level2, by interfacing MSP430F5529 with a booster pack which had joystick. Based on the interrupt of joystick, ball movement in level 1 was controlled and based on the accelerometer movement the snake was controlled in level 2.

Simulation of Multiple Producer-Consumer Solution, University of Texas at Dallas   October-2015

- Implemented a multi-threaded Java program providing synchronization between multiple consumers and producers using semaphore concepts.

Autonomous line following Robot, Sastra University   January-2012

- Designed an autonomous line follower robot, which traces the given path by following the line and avoids obstacles by switching over to the parallel path and also designed to take the shortest possible route by on it own.
- Programmed the microcontroller in C language, which was converted to assembly level language by using the software, 'KEIL uvision 4' and later saved the code into 8051 by using the software 'Flash Magic'.

Certification:

- Certified in robotics, Simple Labs, India.   December 2010
- Certified in C programming, NIIT, India.   October 2007