

NARENTHARAA GURUSAMY VIVEKANANADAN

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Objective: Seeking a summer internship in software engineering, where my resourceful experience and academic skills will add value to organizational operation

Technical Skills:

- **Programming Languages** : C, C++, Java, Android, Python
- **Web Technologies** : HTML, CSS, JavaScript, Java EE, Spring, Spring Boot, JQuery, REST, AJAX
- **Testing Frameworks** : Junit
- **Database** : MySQL, OracleSQL
- **Servers** : Apache Tomcat
- **Software** : KEIL uvision 4, Flash Magic, Code Composer Studio
- **Applications** : Microsoft Excel, Word and PowerPoint.
- **Tools and technologies** : Eclipse, Android Studio
- **Protocols** : I2C, SPI, UART, TCP/IP
- **Microcontroller / Microprocessor**: Atmel: 8051, 8052 Microchip: PIC 16F, TI MSP430, ARM Cortex M3

Education:

Master of Science in Computer Engineering

The University of Texas at Dallas, Richardson, Texas

August 2017

GPA: 4.0

Bachelor of Technology in Electrical Engineering

SASTRA University, India

June 2013

Aggregate: 80.7%

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 schedule them using custom jobs to support Material Cataloguing in groovy language
- Developed 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.
- Troubleshoot complex technical issues in the source code in the application supported like NRX, ASSAI

Academic & Individual Projects:

Event tracker Android App

- 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

- 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

- 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.

Autonomous line following Robot

- 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'.
- The circuit accomplished to take input from sensors and used microcontroller to process signals, and its output was given to electric motors which triggered the robot.

Certification:

- Certificate Course in relay, circuit breaker and switch gear protection.
- Certificate Course in robotics, Simple Labs, India.
- Certificate Course in C programming, NIIT, India.

June 2012

December 2010

October 2007

Awards in Autonomous bot - line follower:

- Secured 2nd position in Path Finder in Springs at SASTRA University.
- Secured 2nd position in Autobots, Acumen 12, Kongu Engineering College, Erode.
- Secured 1st position in Robotics in Anubhava-2 at SASTRA University.

September 2012

February 2012

February 2012