**PERIYANAYAKI ARUMUGAM**

5652, Magnolia Run circle, APT 203 Virginia Beach, VA, 23464

[periyanayakia@gmail.com](mailto:periyanayakia@gmail.com)

(734) 436-9543

Education:

Master of Engineering, Embedded system Technologies May 2012

Anna University, Chennai, India CGPA: 7.25

Bachelor of Engineering, Electronics and Communication Engineering May 2007

Anna University, Chennai, India CGPA: 7

Diploma in Electronics and Communication Engineering May 2004

State Board of Technical Education and Training, DOTE, Chennai, India CGPA: 88.48

**Work Experience:**

Graduate Intern, Log fuse Technologies, Chennai, India.

December 2014 – May 2015

* Create and maintain software design, and associated documentation
* Integrate software in devices and perform unit and integration testing
* Develop effective embedded system solutions for existing and new devices
* Assist in software verification and solving software issues
* Test and fix code, write reports, and develop training manuals

Assistant Professor,Sree Sastha Institute of Engineering and Technology, Chennai, India.

June 2012 –May 2013

Subjects and Lab Handled: Microprocessor and Microcontroller, Digital signal Processer, Control System, Advance Digital System Design

Lecturer, Prince Sri Venkateswara Padmavathy Engineering College, Chennai, India.

May 2009 – April 2010

Subjects and Lab Handled: Basic Electrical and Electronics Engineering, Microprocessor

Lab, Digital Electronics Lab.

System Analyst, Mani India Technologies Private Ltd, Tamilnadu, India.

June 2007 – April 2009

* Developed design concepts and assemblies of various commercial devices
* Created digital circuit design reading customer's requirements
* Developed test and measurement code to be used in production
* Researched, analysed, and verified compliance with regulatory for all products
* Support in software and hardware development and solving development problems
* Developed test and validation plan for system testing

**Technical Skills:**

1. **Programming Languages**

Assembly Languages, C, C++, Embedded C

1. **Microprocessors and Microcontrollers:**

8085, 8051, MSP430f2370, ATmega328P

1. **Protocols :**

SPI, I2C, UART, USB, RS232, Ethernet

1. **Integrated Development Environment (IDE):**

Keil, IAR Embedded work bench, Xilinx Spartan, Arduino Uno

1. **Interfacing Techniques**

Keypad, LED, LCD, RFID, Nan Flash, FPGA, RAM, EEPROM

1. **Operating Systems**

Windows XP, Linux kernel 2.6

1. **PCB Designing:**

ORCAD, PCAD