Payal Shah

13229 Weeping Willow Dr
Frisco, Tx 75035

469-321-5681
payalshah.2408@gmail.com

Objective:

A highly self-motivated Electrical Engineer looking for challenging positions in the field of RTL/Logic Designing.

Educational Qualification

Master of Science in Electrical Engineering — May 2016
Texas A&M University- Kingsville — GPA: 3.66

Bachelor of Engineering (Electronics and Telecommunications) — May 2014
University of Mumbai, India

Technical Skill Sets

- **Languages**: C, C++, JAVA, VHDL, Python
- **Electronic tools used**: MATLAB, SONNET, LTSpice, ModelSim, MAGIC, Quartus, FPGA tools
- **IDE**: Net Beans, Eclipse
- **Microprocessors & Microcontrollers**: 8085, 8086, 8051 and PIC

Relevant Coursework

Principles of VLSI design, Rapid Prototyping and ASIC design, Digital Computer Design, Digital Signal Processing, Speech Processing, Digital Image Processing, Broadband Networks.

Job Experience

Graduate Teaching Assistant, Texas A & M University, Kingsville **01/15 – 05/16**

- Conducted labs for digital logic design and CMOS VLSI design.
- Graded graduate students for Wireless Communications.

Publications:

"Payal Shah", "Radhika Sule", "Tanmay Sawant", "Viraj Manjarekar", "A Detailed Analysis of QR Code and a Technique to Generate QR Codes for Cryptography," International Journal of Computer Science and Engineering (IJCSE), Vol. 2, Issue 5, Nov 2013.

Academic Projects

"VHDL - Logical Expression Cell", 2015

- Designed and modeled the circuit to get transistor level layout and obtained electrical parameters for the circuit.

"VLSI – 8-bit ripple carry adder", 2015

- Designed and modeled the circuit to get transistor level layout and simulated the output using LTSpice.

"Data security method using Shamir's secret sharing technique and QR codes", 2014

- Programmed Shamir's secret sharing technique using Java and Eclipse.

"Designing a low cost hearing aid for people having hearing disabilities to communicate", 2013

- Designed the circuit using multiple amplifiers to amplify the sound and made the user manual.

"Programmed a fancy electronic dice with LEDs", 2012

- Wrote an assembly language program to produce a random number between one and six and display it by lighting equal number of LEDs every time the button is pressed.