

RICHARD ROBINNISON

VLSI DESIGN ENGINEER

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 <https://richardrobinnisonlj.github.io/richard-portfolio/>

EDUCATION

MASTER DEGREE

Sri Sivasubramaniya Nadar College
of Engineering

BACHELOR OF ENGINEERING(ECE)

Loyola-ICAM College of Engineering
and Technology

CGPA-8.44

HSC

St.Joseph School,Tindivanam
79.6%

SSLC

St.Joseph School,Tindivanam
91.2%

SKILLS

PROGRAMMING LANGUAGE

- Embedded C
- Verilog

HARDWARE

- Arduino
- STM32
- NodeMCU
- FPGA(De10-Nano)

TOOLS

- Cadence
- ADS

PROFILE

My interest lies in analog circuit design and VLSI systems, and I am pursuing my master's in VLSI from SSN College, following the ECE undergraduate degree from LICET. Such academic and project experience makes it possible for me to design high-performance, optimized semiconductor solutions in consonance with the commitment to innovation at Texas Instruments.

CAREER SUMMARY

INTERNSHIPS

- Completed a 2-month IoT internship at **Bolt Academy** during my second year, which gave me hands-on experience with **IoT kits** and basic **Python programming**. I worked on a project related to IoT, deepening my understanding of its concepts and applications.
- Completed a 14-day online **VLSI internship** at **Tessolve**, where I learned Verilog and implemented an **ALU design** on an **FPGA board**.
- I also completed a 6-month internship at **NPG Websmart**, where I worked with boards like **NodeMCU, Arduino, and STM32**, as well as sensors and protocols such as the memory card module, **MQTT protocol, USART, SPI, and I2C**.

CERTIFICATIONS

- **Embedded C** course in Udemy
- **Verilog and Digital design** course in Maven Silicon

PROJECTS

- Submitted a paper on **LNA Design** for frequency range between **60GHz to 90GHz** in **WISPNET**.
- Submitted a paper on **LNA Design on 90nm CMOS** for frequency range between **7GHz to 10GHz** in **WISPNET**.
- Finalist on Chrysalis event conducted by LIBA for submitting a project on Accident Detection With location sharing and "**Accident prevention because of alcohol consumption**" my team showed a demo of the project in proteus software where I did the connection and coding.
- Automatic Fire Extinguisher Bot that extinguish fire automatically during intracollege competition and i did all the hardware connections and coding.
- **Zera Food Recycler** that converts food waste into manure during my 12th grade and got district second.
- **Water Purifier** which purifies water from AC and water the plant during my 10th grade and got district first.
- Participated in Intel FPGA contest and publish a paper on **Automatic Agriculture Bot** and got selected for the second phase which is the implementation.