**Jothi J**

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1+ years of experience in complete end-to-end embedded software design & development includes,

* Embedded Software System Development
* Embedded Firmware Design, Development and testing
* BSP, Device Driver development based on Embedded

**Technical Skills**

**Embedded Systems**

Programming Language : C, Python GUI - tkinter, Basics of C++

Micro Controller : DA14683

Operating Systems : Embedded windows

**BSP Porting & Development**

Low speed interconnect : ETHERNET, UART, SPI, GPIO.

Display Interface : LCD.

**Employment History**

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| --- | --- |
| AUG 2022 – still working | **Embedded Software Engineer**  **RNA Designs,**  Embedded windows, Board Supported Package (BSP) and Driver Development |

**Educational Qualifications**

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| --- | --- |
| APRIL 2019 | **B.E. ( Electrical and Electronics Engineering)**  Anna University- Ariyalur campus, Ariyalur.  Aggregate: 61.19% |
| MARCH 2015 | **H.S.C**  Annai Lurdu Girls Higher Secondary School,Thennur.  Aggregate: 82% |
| APRIL 2013 | **S.S.L.C**  R, C Fathima High School, Vadave**ekkam**.  State Board Aggregate: 86.8% |

**Project Profile:**

**Foot Switch Project (DA14683):**

Micro Controller : DA 14683

Team size : 3

Operating System : Smart Snippets Studio V2.0.20.(windows)

**Responsibilities**

* The development entails integrating GPIO capabilities to facilitate data transmission via Bluetooth.
* implementing charging functionality and battery voltage monitoring within the transmitter board.
* These multifaceted functions are seamlessly orchestrated through Bluetooth Low Energy (BLE) technology.
* Correspondingly, on the receiving end, the holistic suite of functions is efficiently received and processed.
* End to End customer support.

**Smart Programmable RF emitter:**

Team size : 3

Operating System : Xilinx sdk, GUI

**Responsibilities**

* Design and Development Graphical User Interface using Tkinter.
* Reading Frequency and Amplitude using ETHERNET Protocol.
* Development sc5520a-sc5521a Signal core bring up using RS232 Protocol.
* SRS Document.
* End to End customer support.