

## Ayyappan Selvam

Robotix Pvt Ltd

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### Experience Summary

I am an associate with Robotix, servicing for the last 2 and half years with a total of almost 6 and half years of work experience. My main area of experience has been primarily in the domain of Research and Development. My current role is that of a PCB Design Engineer to create, design and test components software programs and to design PCB layout board(multilayer) and Knowledge PCB Fabrication. Multilayer layout experience with rigid and flex substrate technologies.

### Technology

Below is a list of important software products, tools I have worked with.

Software Products	Tools
Operating system (Linux,Unix)	OrCAD Allegro, Unreal Engine,Eagle

### Skills

- 6+ years of progressive experience working with PCBs and Cadence Allegro
- Extensive knowledge of PCB fabrication techniques and limitations
- Experience with design of rigid-flex, and controlled dielectric PCBs
- Experience with analog and high-speed digital layout
- Experience with PCB CAM Editors
- Candidate should have good awareness of performance requirements of products in highly electronics market
- Experience in some of many areas of product design, hardware design, mechanical design and manufacturing supporting for various types of products
- Conversion Zsof Schematics to PCB layout for multilayer boards using Altium Designer release 17, including component symbol and footprint generation
- Create 3D model for PCB footprints
- Responsible for SVN database library management
- Create and manage PCB documentation including fabrication and assembly drawings, Gerber files, etc
- Used Cam 350 to view CAM output and gerber files
- Given KT to the new joined freshers, assisting and encouraging them to involve in upcoming projects.
- Experience in Troubleshooting Displays like LVDS,OLCD,PMOD & Touch screen PCAP - RES
- Proficient with OrCAD or Altium for schematic capture
- Good understanding of electronic circuit and measurement techniques
- Assist with maintaining schematic symbols and PCB footprints libraries as needed
- Involved project like phiro.ai which involves the concept of Artificial Intelligence
- Having exp in Microsoft AirSim - virtual drone & driver less car simulation
- Having experience in vsdc editor and davinci-resolve
- Having experience in Unreal engine to develop the environments for simulator.
- Contribute to component library development for schematic symbols, part parameters, and footprints per IPC standards

## Qualifications

Degree and Date	Institute	Major and Specialization
BACHELOR OF ENGINEERING (May 2011- April 2014)	Apollo Engineering College	Information Technology
HSC (May 2008 – March 2011)	GMS MAVMM polytechnic college	Information Technology
SSC (March 2008)	Madura college Higher Secondary School	Matric

## Project Involved

Communication interface with Gain Span Wi-Fi Modules and Modes,GS2100 Modules.
Wireless charger Receiver side for Mobile applications -5v Ratings
Mother board with Renesas Sysnergy MCU and extra applications
Medical Related Boards Designing -EKG Boards with Sysnergy and Rx631
IOT Based applications board with Intel edison,allo sparky ,Samsung ARTIK,Panda
Front end applications using IOT - Wi-Fi config, Communication interfaces
Virtual Drone Programming using scratch extension
ESP8266 and ESP 32

## Career Profile

Dates	Organization	Role
July 2018- Till date	Robotix Pvt Ltd	Technical Engineer
April 2014- Oct 2018	Cardio Online Technologies Pvt.Ltd	Applications engineer & PCB Designer.

## Personal Details

Date of Birth	18-12-1991
Nationality	Indian
Passport Number	J1943992
Father Name	Mr.Selvam
Marital Status	Married

