

Kondaa Jaidurgamohan

Email: mohandurga2011@gmail.com

Phone: +91 – 8978414829

Summary:

- Professional experience having **4+ years** in Design and Development of Electronic systems.
- Experience on **KICAD and Proteus for PCB Design**.
- Good knowledge on **PCB Design** Rules and concepts.
- Work experience on KICAD to Design and Develop a **bio-medical product as per IEC standards**.
- Good experience on **hand soldering of SMD, Through hole components**.
- Work experience on board level **testing and troubleshooting**.
- Good knowledge on **star topology** for PCB design.
- Good knowledge on various stages of system development like from **proto type to manufacturing**.
- Excellent learning and research skills to explore new technologies and logic development.

Work Experience:

- Worked as a Research Engineer in **Academy of Robotics Pvt. Ltd** from March 2016 – October 2016 in Visakhapatnam.
- Worked as a Hardware Engineer in **Axiom EV products Pvt. Ltd** from July 2017 – December 2017 in Hyderabad.
- Worked as a senior Hardware Engineer in **StartoonLabs Pvt. Ltd** from January 2018 – October 2020 in Hyderabad.

Skill Set:

Operating Systems	Windows
Tools	PCB Design: KICAD, Proteus and Basics of Altium Simulation tools: Proteus, Multisim and Tina Lab tools: Oscilloscope, Function generator, DC source, Multimeter and Soldering station.
Developed Boards	ATmega328P, ESP8266, ESP32, nRF528XX

Patents:

S.No	Topic	India Patent No	Status
1.	Modular Electronic prototyping Kit	201641033656	Filed (2016)
2.	Board to Board SMD Connectors	201641031164	Filed (2016)
3.	Multifunctional modular wearable device for signal generation and data acquisition	201741013399	Filed (2017)

Projects profile: (Starting from the most recently executed)

Project	Pheeze (Physiotherapy made easy)
Software	KICAD
Client	Internal project
Hardware	BLE controller and IMU sensors
Role	Schematics and PCB design
Project Description: To design and develop a bio-medical grade hardware product from scratch.	
Responsibilities: <ul style="list-style-type: none">• Design schematics based in internal reviews.• Create footprints for the components.• Library creation and management.• Component identification and vendor identification.• Testing the designed Hardware module by module.• Releasing mechanical drawings.• Good understanding in system level design PCB.	

Project	SLABS-32
Software	KICAD
Client	Internal project
Hardware	ATmega microcontroller and Espressif WIFI module
Role	Schematics and PCB design
Project Description: To design and develop an IOT based learning platform for students and electronics enthusiast.	
Responsibilities: <ul style="list-style-type: none">• Design schematics based on the conducted internal reviews.• Create footprints for the components.• Library creation and management.• Testing designed hardware.• Soldering the entire board.• Developed a test jig to test the board.	

Project	Modular Electronic prototyping kit
Software	Proteus
Client	Internal project
Hardware	ATmega microcontroller and LM2596
Role	Schematics and PCB design
Project Description: To design and develop a Hardware platform for electronics enthusiasts for conducting experiments.	
Responsibilities: <ul style="list-style-type: none">• Design schematics based on the internal reviews.• Create footprints for the components.• Library creation and Management.• Simulation of electronic circuits using proteus.• Testing and soldering of the boards developed.	

Research publication:

- A paper titled “**Design of Low – Cost smart chair for telemedicine and IOT based Health monitoring**” is published in the IEEE, 11th International Conference on Industrial and Information Systems (ICIIS 2016) in December 2016.

Education Qualification:

Examination	Stream	CGPA (%)
B. E	Electronics and Communication Engineering	71
12 th Std.	Mathematics, Physics and Chemistry	87.8
10 th Std.	AP state board	60

Personal details:

Gender : Male

Marital Status : Unmarried

Passport : U1863386

DOB : 30-04-1994

Languages : Telugu and English

Address : Flat No: 53-17-43, Automotive Backside,
Maddilapalem, Visakhapatnam urban,
Andhra Pradesh, India - 530013