ARIF A. SAYYAD

POWER ELECTRONICS DESIGN ENGINEER

I am a highly skilled M. Tech. graduate with 2 years of experience in the field of power electronics, specifically focused on the invention, design, root cause analysis (RCA), testing, and validation of various power electronic converters used in the automobile industry. My specialization lies in the design and development of power converters, such as DC-DC converters and EV chargers, which are crucial components in electric vehicles. However, I was actively involved in EMI-EMC testing, in RCA activity, thermal and functional testing on various converters, Moreover, I have actively engaged in customer-facing activities, working closely with clients to address field failure issues and provide satisfactory resolutions.

EXPERTISE

Power Converter Design

Root Cause Analysis

Power Converter Testing

Critical Thinking

Handling Multiple Projects

Altium, LT-Spice, Tina, Test Equipments

LANGUAGE

English

Hindi

Marathi

CERTIFICATE

Advance Certificate in EV Technology
Academy of EV Technology
2020

EV Charging station
MSME
2021

CONTACT

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Pune

Arif.sayyad87@gmail.com

EDUCATION

2013 - 2017

Dr. BATU, Raigad

Bachelor of Technology (Electrical Engg.)
7.66/10 CGPA
MAGLEV Train using LIM

2019 - 2021

COE, Pune

Master Technology (Power Electronics)
9.5/10 GPA
Generalized Design of EV Chargers

WORK EXPERIENCE

VARROC ENGINEERING (R&D, PUNE)

Serving Notice Period (Last Working Day 4th OCT 2023)

2022 - Present (Varroc Payroll)

2021 - 2022 (Alteama Payroll)

Product Engineer

- Design of 750W Battery Charger For EV Application.
- Design of DC-DC Converter (Advanced).
- Design of basic and low cost DC-DC Converter.
- Design , simulation, implementation and validation of various protection. and sensing circuitry used in power converters.
- Design modification in DC-DC converter protection and sensing circuit.
- Design of various magnetics components required in SMPS.
- EMI-EMC Testing of DC-DC converter.
- Worked on Sub-system and Module Level requirements.
- Also worked on design documentation, testing documentation.
- EBOM Generation, Schematic Drawing, X-Y Data sheet preparation,
- Knowledge of DFMA, DFMEA, FTA, RCA.
- Understanding of PCB Layout and component Placements.
- Alternate MOSFET Evaluation for existing project.
- Functional and Thermal of various power Converters.
- I have actively engaged in customer-facing activities, working closely with clients to address field failure converter issues, vehicle level testing and provide satisfactory resolutions.
- End of Line (EOL) test setup based on customer requirement, technical support and satisfactory resolutions for issues related to EOL.
- Functional and Hardware level Benchmarking of DC-DC Converters (100W-1200W) and EV Chargers (600W-3.3kW