FATHIMA NOORIYA KS

Model Based Design | MATLAB-Simulink | Electrical System |Control System | C Programming| UI| MIL & HIL Testing

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📍 *Ernakulam/Kerala/India*

ABOUT ME

Resourceful and result driven Electrical Engineering Graduate pursuing in Automotive field , diligent to apply my knowledge and technical skills appropriately in engineering field .Passionate to work in environment which encourages me to grow professionally ,also seeks to improve my efficiency

PROJECTS

Project 1 – MODEL BASED DEVELOPMENT OF PURE EV
- Responsible for plant modeling of EV development
- Responsible to simulate the performance of the EV under different driving scenarios.
- Responsible to design control algorithms for motor control and energy management

Project 2 – IMPROVED BIDIRECTIONAL DC-DC CONVERTER CONTROL SCHEME FOR ELECTRIC VEHICLES
- Responsible for design and development of converter controlling scheme
- Responsible for DC-DC Converter modeling
- Responsible to simulate the model with different cases

EXPERIENCE

DATES FROM JAN 1, 2023 TO OCT 20, 2023

MBD ENGINEER, REYNLAB TECHNOLOGIES PVT LTD, CHENNAI

Responsible for developing plant modeling for EV
Responsible for designing of EPS
Contributed for MIL and HIL Testing
Developed user interface for Motor Dyno
Developing technical manuals

DATES FROM MAR 26, 2022 TO MAR 25, 2023

ELECTRICAL APPRENTICE, FERTILIZERS AND CHEMICALS TRAVANCORE LIMITED (FACT)

Exposure in maintenance of electrical equipment like Motor, Transformer, Starters etc.
Experienced in troubleshooting electrical faults and leading maintenance work in utility dept.
Responsible for shift operation in 110 KV substation.
Incorporated in commissioning of DFCB Charger.

DATES FROM SEP 6, 2021 TO MAR 25, 2022

ELECTRONICS ENGINEER, LENORE INDUSTRIES PVT LTD, KALADY

Worked at the manufacturing unit of electronics equipment like automatic water level controllers, dispensers etc.
Exposure in wiring of AMF and Motor starter panels. Fabrication of special efficient manifold.

EDUCATION

JUNE 2021

B. TECH IN ELECTRICAL AND ELECTRONICS ENGINEERING

ADI SANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY, KALADY

APJ ABDULKALAM TECHNOLOGICAL UNIVERSITY

CGPA - 8.95/10

MARCH 2017

HSE – COMPUTER SCIENCE

ST. FRANCIS HSS, ALUVA

PERCENTAGE – 93

MARCH 2015

MATRICULATION

VVBHSS, ALUVA

PERCENTAGE – 95

SKILLS

- MATLAB/Simulink
- Control Systems
- Intermediate C-Programming & basic Python knowledge
- Best Team player , Good Problem Solving and quick learner
- Advaned skills on MS
- JIRA software
- Project management

AREA OF INTEREST

- Model Based Development
- Electric Vehicles
- Control System

PUBLICATION

- Improved Bidirectional DC-DC Converter Control Scheme for Electric vehicles
- Main project ideas and conclusions published on International Journal of All Research Education and Scientific Method

CERTIFICATIONS

- Reynlab advanced skill development program on Model Based Development
- NPTEL certification on Introduction to IoT
- NPTEL certification on Joy of Computing Using Python
- Certificate on AUTODESK authorized AUTOCAD ELECTRICAL and REVIT MEP

DECLARATION

I hereby declare that the information furnished above are true to the best of my knowledge and faith

FATHIMA NOORIYA KS