

MUHAMMAD ABU BAKAR TAHIR



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Elancourt 78990, France

SOFTWARE SKILLS:

Speedgoat

Microsoft Office

Auto CAD

MATLAB

Circuit maker

PCB Express

Proteus

C++

Python

AMEsim

CAN Analyzer/Canoe

SCADA

Ardunio

ACADEMIC PROJECTS:

Autonomous Vehicle

Series Hybrid Electric Car simulation

Synchronization of Renewable Energy Sources with Utility

DC motor speed control

Banking system using C++

Students data base using C++

YAHTZEE game using C++

Battery charging level indicator

FM short range radio transmitter

Digital clock using microcontroller

AREA OF INTEREST:

Electric powertrain

Electric and hybrid electric vehicles

Control system

LANGUAGES:

English (IELTS C1)

French (TCF A2)

Urdu- Native

HOBBIES:

Playing Cricket

DIY

OBJECTIVE

Having four years of experience related to industrial automation and electric mobile equipment, I am looking for a position of system engineer in a reputed ground support equipment manufacturing organization.

EDUCATION

M.Sc Automotive engineering for sustainable mobility (M2)

Option: Energy management and control

Institute supérieur de l'automobile et des transports (ISAT), France
Session: (2021-2022) Waiting for result

M.Sc Automotive engineering for sustainable mobility (M1)

Option: Energy management and control

Polytech, University Of Orleans, France

Session: (2020-2021)

CGPA:14.08/20

B.Sc Electrical (Power) Engineering

COMSATS Institute Of Information Technology, Pakistan

Session: (2011-2015)

CGPA:3.12/4.0

PROFESSIONAL EXPERIENCE

Internship in Akka research Guyancourt, France and Brussels, Belgium from 31 Jan 2022 to 31 Jul 2022.

* Carrying out a "Hardware in the loop" (HIL) test of an electric motor for racing vehicle

* Modeling of the engine/generator bench: electrical, mechanical, electromechanical equation

* Modeling of PWM and chopper control

* Modeling of the engine/generator bench: electrical, mechanical, electromechanical equation

* Generation of the torque reference

Technician in Emirates Group (DNATA) Dubai, U.A.E from 29 AUG 2016 to 14 Sep 2020.

* Assist and carry out maintenance according to established standards of ASRS, the various equipment/vehicles and plants to ensure reliability/optimum utilization

* Responsible for the daily inspection of all equipment, vehicles and plants to ensure their reliability and safety

* Responsible for implementing new ideas to improve the efficiency of operations

* Provide new ideas/suggest tools etc to minimize downtime in a cost-effective manner

* Ensure that all work-related activities carried out during the shift are recorded in the maintenance management system.

4 weeks (Feb 2013) training at 132kv grid station Gujranwala Electric Supply Company Pakistan.

* Assist the grid station officer in day to day activities.

* Load management.

* Assist in the daily inspection of grid yard.

WORKSHOPS AND PROFESSIONAL CERTIFICATES

Basics of PLC (2nd March 2017)

Battery and Oxygen (7th December 2017)

Basic Hydraulics (15th November 2016)

Basics of Electrical wiring (19th March 2016)

Planning A Presentation (2nd February 2018)

Fire Warden Guide (13th January 2018)

Psychological First Aid (30th September 2016)

Safety Management System (3rd December 2017)

Electric Tow Tractor (19th November 2016)

Slave Pallet Mover (19th November 2016)

Electric Reach Truck (9th November 2016)

Forklift Operation (9th November 2016)

Fatigue and Shift Work (11th September 2016)

MATLAB Based Power Electronics Workshop (1st December 2013)

Proteus and PCB designing (22nd March 2013)

MATLAB Simulink SIM Power System (5th December 2012)

ACADEMIC ACHIEVEMENTS

Secured 1st position in School (2008)

P.E.E.F Scholarship holder (2008 to 2010)

Secured 2nd position in college (2010)

P.E.E.F Scholarship holder (2011 to 2015)