

Muhammad Taha

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Home Town: Karachi Pakistan



Objective:

Looking for the job in the field of Electrical Engineering where, I can utilize my technical skills for achieving the target and developing the best performance in the organization. I would like to implement my innovative ideas, skills and creativity for accomplishing the tasks.

Personal Skills:

- Proven leadership skills.
- Ability to work independently or as a team.
- Computer literate (MS office, Visual studio, Internet browsing).

Work Experience:

- **Spectrum Engineering Solutions (S-ES)**
Research & Development Engineer | July 2018 - Present
Responsibility | Project Development, Research Work and Fault Troubleshooting.
- **Pakistan International Container Terminal (PICT)**
Internee | July 2017 – September 2017
Responsibility | Fault Troubleshooting in Cranes
Work experience on Siemens PLC & Drives
- **Event Management Society (EMS-BUKC)**
Team Head | September 2017 – June 2018
Responsibility | Manage Team Ticketing

Education:

- **Bachelor's in Electrical Engineering | Bahria University Karachi Campus (2014-2018)**
Majors: Power Distribution and Utilization | Feedback Control System | Power Electronics
Industrial Automation | Embedded Systems | Digital Signal Processing.
CGPA: 2.95
- **Intermediate | Bahria College Karsaz (2012-2014)**
Pre-Engineering | Secure 'B' Grade

- **Matriculation | Metropolitan School (2010-2012)**
Computer Science | Secure 'A' Grade

Certification:

- **Instrument Calibration in Process Industry (0.5 CPD)**
Usman Institute of Technology
- **Industrial Automation and Robotics**
Mindstorm Engineering
- **Preparing For Tomorrow Session**
NED University of Technology
- **Fire Safety & Rescue**
Youth of Ummah
- **Certificate of Appreciation as a Volunteer**
Bahria University Karachi Campus

Additional Skills:

- **Hardware:**
 - Raspberry Pi 1,2,3
 - Arduino UNO, NANO, MEGA
 - Microcontroller 8051 Hardware Interfacing
 - VFD Siemens & Delta
 - PLC Siemens & Delta
 - HMI Delta
 - Fault analysis and troubleshooting based on wiring diagrams and PLC ladder diagrams
- **Software:**
 - Microsoft Office 2016
 - Proteus Design Suite
 - DipTrace
 - MatLab 2017
 - Multisim 2014
 - Visual Studio 2015
 - AutoCAD 2016
 - Arduino
 - Xilinx ISE (Verilog)

- **Programming Languages:** C++, C sharp and Python.

Design Projects:

- Utilization of Regenerative Energy (**Project Funded by HEC**).
- Control Motor Speed by Using Microcontroller
- Line Following Robot
- Raspberry Pi Based Robotic Vehicle
- Smart Jacket For Coal Miners
- RFID Based Smart Parking System
- Home Automation System on Raspberry Pi
- Arduino Based Bluetooth Car
- Water Level Indicator by Using Arduino
- PIR Occupancy Switch for Security.
- BUCK Converter 24VDC – 13.5VDC
- MATLAB Controlled Traffic Signal
- MATLAB Controlled Spy Car
- Smart City Using Arduino Board
- Induction Motor Reverse/Forward Control Circuit

Research Project:

In Progress: Utilization of regenerative energy by hoisting phenomena | Pakistan International Container Terminal (PICT) is interested in this project.

Languages: Urdu and English.

References: Available upon request.