Usman Dastagir

ELECTRICAL POWER ENGINEER
usmandastgir57@gmail.com | +92-3455129051 | Islamabad, Pakistan

EDUCATION

AIR UNIVERSITY
B.E in Electrical Power Engineering (Gold Medalist)
Grad. June 2022 | Islamabad, Pakistan
Cum. GPA: 3.58 / 4.0 (89.5 %)

ISLAMABAD MODEL COLLEGE FOR BOYS G-10/4
Intermediate
May 2016 | Islamabad, Pakistan
Pre Engineering
Marks : 834 / 1100 (75.8 %)

ISLAMABAD MODEL COLLEGE FOR BOYS G-10/4
Matriculation
May 2014 | Islamabad, Pakistan
Science
Marks : 895 / 1050 (85.2 %)

LINKS

LinkedIn:// usman-dastagir-963774216
Facebook:// Usman UD
Instagram:// usman_ud_

COURSEWORK

UNDERGRADUATE
Control Systems
Micro processor and Micro controller
Electrical Machines
Power Distribution Utilization
Power Generation System
Power Transmission System
Power System Analysis

SPECIALIZATION
Programming (C/C++)
Renewable Energy Generation and Distribution
AC and DC Motors
Transformers
Standby Generation
Control Systems

SKILLS

PROGRAMMING
• C/C++ • PLC • Arduino AVR • ESP-32
• Matlab Programming • STM32
• Fortior Controller

SOFTWARES
• ESP-IDF• Proteus • Altium • ETAP • Power World GUI • PSIM • Matlab
• SIMULINK • Microsoft Word & Excel • LabVolt • LATEX

SOCIAL
• Complex Problem Solving • Good Communication skills and creative thinker
• Teamwork working under pressure • Managerial skills • Multi tasking

LANGUAGES
• English • Urdu • Punjabi

EXPERIENCE

RAPIDEV | Junior Embedded Engineer
Oct 2022 – current | Islamabad, Pakistan
- As an Embedded Engineer my duty is to create a software driver on different micro controller like ESP32, Fortior etc.

AIR UNIVERSITY ISL | Solar System Design Assistant
June 2021 – July 2021 (1 month) | Islamabad, Pakistan
- Detection of overall Power demand,calculation of required amount of solar panel and finalizing suited company depending on quality of panels and cost.

CAPITAL STRATEGIC GROUP | Field Technician
Sep 2016 – Feb 2018 (1.5 year) | Islamabad, Pakistan
- Fault Detection, Fault Removal, Overall maintenance, and End Month reporting.

PROJECTS

AC-DC BLDC CEILING FAN | INVERTER BLDC CEILING FAN | RAPIDEV
Oct 2022 – Current | Rapidev, Islamabad, Pakistan

SOLAR CHARGE CONTROLLER OF 1KVA | RAPIDEV
Oct 2022 – Current | Rapidev, Islamabad, Pakistan

IMPLEMENTED ENIGMA MACHINE SOFTWARE IN C++ LANGUAGE | Object Oriented Programming
Sept 2019 – Dec 2019 | Air University, Islamabad, Pakistan

MULTI LEVEL 12 AND 5 VOLT POWER SUPPLY | Analog Electronics
Sep 2019 – Dec 2019 | Air University, Islamabad, Pakistan

FINAL YEAR PROJECT

REAL TIME INTEGRATION OF SOLAR AND WIND POWER SOURCES USING HYBRID CHARGE CONTROLLER
- Final Year Project based on designing and implementation of a multi input converter for different power Sources.
- Helped in improving my knowledge in Arduino coding, Solar systems, wind turbines, batteries, analog circuits and voltage regulation.