

USAMA ZULFIQAR

Electrical Engineer (Registered)

NEBOSH IG-1, IG-2 Certified



Personal Information

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Father Name: Zulfiqar Ahmed
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Driving License: GA-16-8957
Marital Status: Married
CNIC # 34101-7763214-3
Date of Birth: 20-09-1996

CAREER OBJECTIVE

Seeking a challenging position in a progressive environment where I can ideally groom myself and can utilize knowledge, skills and experience to meet any challenge in field of electrical engineering and for the betterment of the organization.

PROFESSIONAL EXPERIENCE

Future Developments Holdings (Pvt) Ltd:

Assistant Electrical Engineer (15-November, 2021 to Continue)

Project: Capital Smart City Islamabad

Duties & Responsibilities

- Inspection of Electrical Conduit work, electrical works (MEP) in Smart Villas and Highrise Buildings according to Cad Drawings.
- Inspection of Switchgear Panels, electrical supply work and maintenance of street light poles.
- Worked as HSE engineer to detect Hazards on site.

- Stop permit if it involves unsafe act and unsafe condition.
- Making sure that workers have proper Personal Protective Equipment.
- Promoting safe practices at the job site.

Electro Power Engineering (Pvt) Ltd:

Electrical Technician (2019-2020)

Duties & Responsibilities

- Design and installation of PLC based systems interfacing with HMI.
- Monitoring and diagnosing the problems in electrical machines.
- Improvement of power factor using capacitors in industries.

INTERNSHIP

Gujranwala Electric Power Company (132KV Grid Station)

(Aug 2021-Sep 2021)

Worked as an intern on incoming and outgoing power source and analyzed the operation of different equipment in the power system by using different maintenance techniques to ensure smooth working of the power system.

EDUCATION

Degree	Year	Institution	Division/CGPA
BSc. Electrical Engineering	2017-21	University of Engineering and Technology, Lahore	3.227
Intermediate (HSSC)	2015-17	BISE Gujranwala, Board	1 st
Matriculation (SSC)	2013-15	BISE Gujranwala, Board	1 st

FINAL YEAR PROJECT

Hybrid Electric supply system using Solar, Wind, Battery and Piezoelectric plates (05/2021)

My final year project was based on automation which changes its electrical supply on the priority basis. If any of the 4 sources is producing enough Power than the others, that would be preferable source of energy.

SEMESTER PROJECTS

Home Automation

One of my semester projects was Home Automation. I used Arduino Uno with Bluetooth module to control home appliances.

Humidity and Temperature Sensor using Arduino

This project mainly described the temperature and humidity of room to control room temperature.

Courses

- NEBOSH Safety Course
- AutoCAD 2D/3D
- IELTS 2021 (6.0)
- Programming for Everybody (Online)
- Interfacing with the Arduino (Online)

KEY SUMMARY OF QUALIFICATION

- **NEBOSH** Safety course
- Attended **Permit-to-Work** authorization session
- Attended training on working in Confined Spaces
- Attended Risk Assessment Course
- Attended H2S Safety training at site
- Attended Webinar on Industrial Wastewater Treatment & Recycling Technologies
- **AutoCAD** 2D/3D short Course
- **WAPDA short** Internship
- Introduction to **Python** Language
- Attended **PLC, HMI, Relay Logic, Soft Starters** training
- Attended **Power Factor improvement** Control Panels training

SOFT SKILLS

- MATLAB: Data visualization, Data analysis, and Numerical computation
- AutoCAD: 2D Modelling, 3D Modelling
- PLC: Ladder logic Programming, Designing PLC based system for Process control
- Programming: C++, python basic level
- Multisim: Simulation of Circuits
- Office Utilities: MS Word, MS PowerPoint, MS Excel
- CCNA: LAN Switching, Routing, WAN technologies

OTHER SKILLS

- Interpersonal Skills
- Driving
- Outdoor games like Cricket, Badminton

LANGUAGES

- Urdu (A2)
- English (B2)