



## Said Umar

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### ABOUT ME

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Seeking a challenging and rewarding academia position in a reputable organization to utilize my technical skills, innovative ideas, and academic knowledge to make a significant contribution.

### EDUCATION AND TRAINING

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#### **Bachelor of Science in Electrical Engineering Technology**

*Sarhad University Of Science & Information Technology, Peshawar* [ 25 Oct 2016 – 16 Nov 2020 ]

**Address:** Landi Akhun Ahmad, Ring Road, Peshawar, Khyber Pakhtunkhwa (Pakistan)

**Field(s) of study:** Electrical & Electronics Engineering

**Final grade:** 3.20 / 4.00 | 75.95 %

### WORK EXPERIENCE

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#### **Trainee Engineer**

*ITHFZ Textile Mills LTD* [ 4 Jan 2021 – 15 Jan 2023 ]

**Address:** Industrial Estate Gadoon Amazai Road # 06, Plot # 214/215, Topi, Swabi, Kpk (Pakistan)

Understanding of all Electrical Engineering aspects.  
Inspection and Testing of Machinery's.  
Ensure quality of Electrical Materials.  
Prepare progress reports.

#### **Internship**

*Pakistan Water and Power Development Authority* [ 26 Sep 2017 – 25 Oct 2017 ]

**Address:** Tarbela Dam Road, 23460 Topi, Swabi, Kpk (Pakistan)

Attached with Operation, Electrical, EME Section, Protection, SCADA Section, Switch Yard and Power Switch Gear System. Electrical Safety regulations and standards (IEC, NEC, IEEE, UL, and OSHA).

#### **Building Electrician**

*ASD Co Pvt. Ltd* [ 10 Nov 2014 – Current ]

**Address:** Topi, Swabi, Kpk (Pakistan)

Install and maintain electricity cables and other electrical infrastructure in buildings.  
Make sure installed electrical equipment is isolated and presents no fire hazards.  
Understand existing situations and make improvements if called for.

## **PROFESSIONAL COURSES & TRAINING | WORKSHOPS**

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### **Electrical Technology (Building Electrician)- Solar PV System Technician**

[ 21 Aug 2019 ]

National Vocational Qualification Framework Course | Conducted by TTB Kpk & National Vocational & Technical Training Commission (NAVTTTC), Pakistan

### **Solar PV Technician**

[ 5 Oct 2018 – 20 Mar 2019 ]

Technical & Vocational Course | Offered by Govt. Advance Technical Training Centre Hayatabad, Peshawar, Pakistan

## **CONFERENCES AND SEMINARS**

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International Conference on Computer, Electrical & Communication Engineering (ICCECE -2023)

[ Online, 20 Jan 2023 – 21 Jan 2023 ]

The 12th International Conference on Electrical and Computer Engineering (ICECE) – (2022)

[ Online, 21 Dec 2022 – 23 Dec 2022 ]

## **DIGITAL SKILLS**

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Research and analytical skills / Microcontrollers / Internet of Things / Autodesk Auto-CAD / Autodesk Inventor / Basic skills in programming with Python / Programming Skills : C, C++, Python, Assembly / MATLAB / Microsoft: Word, PowerPoint, Excel / Proficient in Simulink, SPICE, and PSpice for simulation and analysis / PLC Workshop Suite / Proteus / LTSpice / Arduino & Arduino IDE

## **PROJECTS**

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### **Instruction Follower Robot Based On Machine Learning Using AI**

[ 10 Aug 2020 – 13 Nov 2020 ]

The development of robot in industry and every field is rapidly increasing. To implement instruction Follower Robot has capabilities to do work. Ability to record and play multiple instruction. Using Machine Learning and Artificial intelligence (AI).

### **Wireless & Wired Charger For Portable Devices**

[ 15 Dec 2019 – 12 Mar 2020 ]

Designed a prototype of smart wireless charger device that transfer Electrical energy through wirelessly without use of any substances. Power will be transmitted by Inductive coupling for short range, Resonant induction for mid range, and Electromagnetic waves power transfer for long range. WPT Charger charge mobiles, laptops, and other power hungry Device's without need to be plugged in.

### **Design of a Smart Grid System**

[ 5 Mar 2019 – 20 Mar 2019 ]

Designed and Implemented a prototype of a smart grid system that utilizes real-time monitoring and control of electrical energy distribution, reducing energy waste and increasing efficiency.

### **Development of a Solar Tracking System**

[ 20 Dec 2018 – 31 Dec 2018 ]

Designed and built a Solar Tracking System that automatically adjusts the angle of solar panels to maximize energy production from the sun.

## **LANGUAGE SKILLS**

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Mother tongue(s): **Pashto**

**Other language(s):**

**English**

**LISTENING** B2 **READING** C1 **WRITING** C1

**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** C1

## **HONOURS AND AWARDS**

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Academic merit - based Laptop Award, From DEO Swabi, Government of Khyber Pakhtunkhwa, Pakistan

## **NETWORKS AND MEMBERSHIPS**

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Student Member, Electrical Engineering Society (EESoc)

Student Member, Institute of Electrical & Electronics Engineers (IEEE)

Member, Electrical & Computer Engineering Honor Society (ECEHS)

## **HOBBIES AND INTERESTS**

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Traveling | Swimming | Reading Books | Technology | Automation | Artificial Intelligence (AI) | Internet Of Things (IoT) | Energy 4.0 |