

# CURRICULUM VITAE

## ASAD SAEED (ELECT/93198)

### PERSONAL INFORMATION

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### CAREER OBJECTIVE

Highly experienced Electrical Engineer with expertise in solar energy systems, power equipment operations, maintenance, and automation. Skilled in LV panel design, installation, and maintenance, with a strong understanding of electrical systems and components. Committed to delivering exceptional results in electrical engineering.

### PROFESSIONAL EXPERIENCE

- **Quality Assurance Electrical Inspector - (A Project of Public Investment Fund (PIF), Ad Diriyah)**  
Saudi Facility Management (FMTech) at **Ad Diriyah Company Riyadh, KSA** | **December 2024 - Present**
  - Key Responsibilities:**
    - Conducting detailed inspections of electrical installations and wiring systems, including heating, air-conditioning, fire alarm system and power infrastructure, to ensure adherence to project specifications, safety standards, and regulatory codes.
    - Establishing and implementing quality assurance and control procedures for electrical construction activities to maintain high performance and reliability standards.
    - Overseeing electrical testing, such as continuity, insulation resistance, and functional performance, to validate system compliance and operational efficiency.
    - Identifying non-conformances in electrical systems and ensuring corrective actions are taken promptly to meet quality and safety requirements.
    - Maintaining comprehensive documentation of inspection findings, test results, and corrective measures for traceability and regulatory compliance.
    - Collaborating with client and internal teams to resolve quality issues, discrepancies, and project challenges efficiently.
    - Verifying that all electrical systems and equipment align with relevant codes, project specifications, and safety regulations.
    - Staying updated on national standards, best practices, and emerging technologies to enhance the quality and execution of electrical projects.
- **Operations and Maintenance Engineer at FWO HQ**  
One Network Pvt. Ltd. **FWO HQ Rawalpindi** | **February 2023 – December 2024**
  - Key Responsibilities:**
    - **Electrical Systems Oversight:** Managed the installation, operation, and maintenance of electrical systems and projects across all motorways in Pakistan 24/7.
    - **Solar System Management:** Successfully installed a 5.8MW solar on-grid and hybrid system, overseeing operations, maintenance, cleaning, and production analysis to ensure optimal performance.
    - **Transformer Maintenance:** Conducted maintenance and installation of transformer systems, implementing protective measures against damage and bird strikes.
    - **Generator Operations:** Performed maintenance and operational management of generators (DGs) according to project requirements.
    - **Data Centre Infrastructure Supervision:** Assisted in project execution, supervising data centre infrastructure to ensure reliable power supply, fire alarm systems, and cooling mechanisms. Executed power upgrade initiatives at server sites to enhance operational efficiency and ensure smooth performance.
    - **Safe Cities Project Leadership:** Led Safe Cities projects in Punjab by conducting comprehensive site surveys and managing survey teams across 18 cities.
    - **Preventive Maintenance Coordination:** Coordinated preventive maintenance activities to optimize system performance and minimize downtime.

- **Technical Engineer Commercial Solar Projects**

Pantera Energy Pvt Ltd Islamabad | **Oct 2021 – February 2023**

**Key Responsibilities:**

Played a pivotal role in executing commercial solar projects ranging from 50 kW to 6 MW across Pakistan

- **Project Execution:** Led all aspects of project implementation, ensuring the timely and effective deployment of solar energy systems.
- **Tender Documentation:** Developed and managed comprehensive tender documentation to support successful project bids.
- **Site Design and Layout:** Created detailed site design layouts aimed at optimizing system performance in accordance with client requirements.
- **Site Surveys:** Conducted extensive site surveys to evaluate conditions and requirements, facilitating precise project planning and execution.
- **Technical Supervision:** Provided technical supervision during installation, ensuring adherence to industry standards and best practices.

- **Management Trainee Engineer**

Cosmos Science Corporation, Lahore Pakistan | **July 2021 – September 2021**

- Participated in a structured training program designed to enhance knowledge in electrical engineering concepts, company operations, and industry standards.
- Played a key role in supporting project planning, implementation, and monitoring, assisting with inspections and the installation of electronics, electrical, and telecommunications laboratory equipment.
- Ensured all work adhered to strict safety protocols, quality standards, and industry regulations

- **Internee Engineer (Internship)**

Admission Cell, Wah Engineering College, Wah Cantt Taxila | **July 2019 – September 2019**

I provided exposure to the administrative functions of the admission cell while assisted with various tasks related to admissions and student records.

- Supported application processing, ensuring accurate and complete documentation.
- Organized and maintained student application records and transcripts.
- Accurately entered data into the college database and generated admission reports.
- Addressed inquiries from prospective students about admission requirements and procedures.
- Assisted in organizing admission events, including open houses and orientations.

✓ Worked as a **Solar Consultant** at the **School of Artillery** Nowshera Cantt from **27<sup>th</sup> August 2022** to **3<sup>rd</sup> Feb 2023**.

✓ Worked as a **Site & Safety Engineer** of 260kW Solar On-Grid System installation and commissioning at **United Nations High Commissioner for Refugees Peshawar** from **5<sup>th</sup> April 2022** to **10<sup>th</sup> September 2022**.

### **Site Surveys | Tenders Documentation | Design & Feasibility Analysis Reports at Pantera Energy**

Conducted extensive site surveys and prepared Tender documentation, including designs and feasibility reports, for various solar energy projects, such as:

- **6 MWp Grid-Tied Solar PV Project** at SITECH Enterprises
- **5 MW On-Grid Solar Power Plant** at Chashma Power Plant
- **2.4 MW On-Grid Solar Power Plant** at FWO Cu Mining Facility
- **1 MW Net Metering Solar PV System** at the Prime Minister's House and Secretariat
- **1 MW Grid-Tied System** at Pakistan Navy Headquarters, Islamabad
- **80.46 kW Hybrid Solar System** at School of Artillery, Nowshera
- Multiple installations for **PAF Bases** and various projects under **CDA**, including significant sites like the **Foreign Office** and **Faisal Mosque**.

### **EDUCATION**

Passing Year	Specialization / Qualification	Institution / Board	C.G.P.A / Marks / Grade / Percentage
2017-2021	BSc/BE Electrical Engineering (OBE Level-II)	Wah Engineering College, University of Wah (UOW), Wah Cantt	<b>CGPA: 3.44 / 4.00</b> <b>Grade: A+ (Excellent)</b> <b>Percentage: 85.14%</b>

## PROFESSIONAL TRAINING PROGRAM / COURSES

Course Name	Institution / Organization	Year
AutoCAD (Batch 4)	Virtual University   Ministry of Information Technology & Telecom   IGNITE   DigiSkills.pk	2019
Creative Writing (Batch 3)		
Freelancing (Batch 3)		
Safety for Rooftop Solar Projects	Udemy	2019
Installation & Maintenance of Solar PV System		
Altium Designer (PCB Designing Course)		2023
Electrical Transformer	Alison Online Education	2021
Introduction to Basic Electrical Drawings & Test Equipment		2022
Cal/Osha Fundamentals of Health & Safety Program		2024
Health & Safety Hazards Environmental Management Systems		

## PROFESSIONAL SKILLS

- ✓ **Electrical Engineering Skills:** Electrical System Design, Solar Energy Systems, Power Equipment Quality Assurance, Low Voltage (LV) Panel Design, Electrical Wiring, Power Distribution, Electrical Safety Protocols Electrical Measurements, Quality Control, Genset Automation with Solar Calibration & Test Equipment
- ✓ **Technical Operations & Maintenance (O&M) Skills:** Preventive Maintenance, Corrective Maintenance, Troubleshooting, Equipment Inspection, Equipment Repairs, & Maintenance Scheduling.
- ✓ **Equipment Expertise:** Transformers, Generators, Automatic Transfer Switches (ATS), Automatic Voltage Regulators (AVR), Surge Protection Devices (SPD), Solar Inverters, Solar Panels UPS, Relays & Breakers.
- ✓ **Solar Energy System Skills:** Photovoltaic Systems, Designing, Solar Panels & inverter Installation, Solar system Operations, Solar System Troubleshooting, operations and maintenance.
- ✓ **Technical skills:** Expertise in Helioscope, PVSyst, AutoCAD, SketchUp, MATLAB, Microsoft Office, C++, Arduino, Excel Professional, SAP Software, Vehicles Tracker, Trace 9, Proteus, Power World Simulator, RET Screen, Altium PCB Designer, Raspberry Pi, Verilog Software, Salesforce & Bitrix for Sales Management etc.

## ACHIEVEMENTS AND AWARDS

- **Certificate of Appreciation** for participating in Energy Audit & IOT Based Monitoring by Association of Energy Engineers NUST Islamabad.
- Secured scholarship/funding for Final Year Design Project entitled “**Design & Development of the system for the Estimation of state of charge (SOC) of Lithium-ion Battery for Electric Loads**” in 2021 from National Grassroots ICT Research Initiative 2020-21 (Ref No: NGIRI-2021-7423) IGNITE-National Technology Fund.
- Participation Certificate for participating in **International Astronomy & Astrophysics Certificate 2021**.
- **Certificate of Appreciation** for participating in Talent Award **Rise and Expo 2019** Rawalpindi.
- **Certificates of Appreciation** for participating in different Events, Competitions, Webinars, Seminars, CPDs & Online Short Courses.