

# Muhammad Sajid Ali

+543520859, +575939465 | ch.sajid212@gmail.com | in/m-sajid-ali-286149169 | Madina, KSA. | Iqama, Transferable

## Electrical Engineer

**AutoCAD | MATLAB | Proteus | Electronic Work Bench | Inkscape | Multisim**

An **Electrical Engineering** Graduate with 5+ years of advanced technical skills with dedicated and highly proficient in industry-leading software such as **AutoCAD, Proteus, MATLAB**, and more. With a strong foundation in designing and analyzing complex electrical systems, I am constantly seeking to stay ahead of the latest advancements in the field. My technical expertise, combined with a passion for innovation, makes me an ideal candidate for a challenging environment. I am eager to apply my skills and knowledge, gained through both academic and practical experiences, to contribute meaningfully and gain hands-on experience in a professional environment.

### CORE COMPETENCIES

**Electrical systems design and analysis | Power system analysis | Control systems | Circuit design and analysis  
Hardware and software integration | Prototyping (12v DC power supply, CNC machine) | Leadership and  
management | Curriculum development and implementation | Mentoring and coaching**

### PROFESSIONAL EXPERIENCE

#### Electrical Engineer

**Client | Gulf Consolidated Contractor Company. Dec 2022 – Nov 2024**

**Client | Saudi Aramco**

**Project | Water Injection Wells and Pipeline**

- Supervised the installation, erection, pre-commissioning, and commissioning activities of electrical equipment, including power and instrument cables, measuring instruments, solar systems, transformers, and power distribution/control panels at construction sites.
- Conducted electrical tests, including continuity, insulation resistance, hipot, and grounding resistance tests, to verify the performance, safety, and functionality of electrical systems.
- Planned and managed resources, including manpower, machinery, and materials, to ensure efficient project execution.
- Collaborated with the safety department to implement safety arrangements and protocols at the site.
- Liaised with the Quality Control (QC) department and clients for inspection activities, ensuring compliance with project standards.
- Coordinated with subcontractors and vendors to facilitate necessary services on-site.
- Participated in technical meetings with clients as required, contributing to effective project communication and alignment.

**Electrical Site Engineer | China State Construction Engineering Corporation Ltd. June 2021 – Nov 2022**

- Installation, O & M of electrical and communication infrastructure.
- Participate in developing and deploying advanced quality plans.
- Execute planned work at site as per designed requirements.
- Supervise work of underground cabling, lighting system, security and monitoring system of motorway.
- Work on OSP and ISP lighting system of motorway.
- Developing of complete electrical infrastructure of buildings belong to motorway authority like as tool plaza buildings, monitoring rooms and rest areas.
- Ensure working of power system and protection system.
- Network equipment configuration and integration (VOIP, Routing and Switching, CCTV, Access control system, ELV/low current).
- Preparing reports as required.

**Electrical Engineer | Albario Engineering (Private) Limited August 2018 - May 2021**

- Specify and select participate in the procurement process by evaluating vendor proposals and ensuring that equipment meets project specification.

- Oversee the installation and construction of substation components, ensuring adherence to design specification, safety standard and project timeline.
- Coordinate with construction teams to address any electrical related challenges during the build phase.
- Prepare regular reports for project stakeholders, providing, update on project progress and performance.

## PROJECTS

### Engineering Projects of B.Sc.

- **1st & 2<sup>nd</sup>Semester:**
  - Prototyped a 12v DC Power Supply: Efficiently constructed a high-performance 12 volt DC power supply, demonstrating exceptional attention to detail and technical expertise
- **3rd Semester:**
  - Engineered a Functional Prototype of a 2-Axis CNC Machine: Skillfully engineered a fully functional 2-axis CNC machine, demonstrating proficiency in mechanical design and precision machining techniques
- **4th Semester:**
  - Designed transformer core: Expertly designed a transformer core with superior performance using advanced materials and electromagnetism principles
- **7th-8th Semester (Final Year Project):**
  - Hybrid 3 Axis CNC Machine Plus 3D Printer: Winner of the "SOFTECH 2018" engineering project competition for the development and implementation of the "Hybrid 3 Axis CNC Machine Plus 3D Printer" project. The project was recognized for its innovative design and potential to revolutionize the manufacturing industry

## EDUCATION

- |   |             |
|---|-------------|
| ▪ <b>B.Sc.Electrical Engineering</b>   University of Engineering and Technology, Lahore | 2014 - 2018 |
| ▪ <b>F.ScPre-Engineering</b>   Board of Intermediate and Secondary Education, Lahore    | 2011 – 2013 |
| ▪ <b>Matriculation</b>   Pak Garrison School Nankana Sahib                              | 2009_2011   |

## CAREER ACHIEVEMENTS

- |  |             |
|--|-------------|
| ▪ <b>Winner Engineering Project Competition   SOFTEC</b> | <b>2018</b> |
| ▪ <b>Certificate of Appreciation   SOFTEC</b>            | <b>2018</b> |
| ▪ <b>Winner Geek Wars   GEEK WEEK-NUCES</b>              | <b>2018</b> |
| ▪ <b>Winner Air Tech 17   Air University</b>             | <b>2017</b> |

## MEMBERSHIPS

- **PEC (ELECT 73957)**
- **SCE (1097955)**



شركة إتمام المقاولون الخليجية  
GULF CONSOLIDATED CONTRACTORS CO.

## **EXPERIENCE CERTIFICATE**

Oct 10, 2024

Dammam, Kingdom of Saudi Arabia

### **TO WHOM IT MAY CONCERN**

It is certified that **Mr. Muhammad Sajid Ali** has worked as Engineer – Electrical From Dec 1, 2022 to 30 Sep, 2024.

During his stay we found him obedient, honest and dedicated towards his assigned job.

We wish good luck in his future endeavors.

Regards,

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**ABDUL RAHMAN MEZAL A. AL MUHEMEED**  
Manager- Human Capital & Business Transformation



中国建筑股份有限公司巴基斯坦代表处

CHINA STATE CONSTRUCTION ENGRG. CORP. LTD. PAKISTAN BRANCH

ADDRESS:HOUSE NO. 40, St. 27 F-6 2, Islamabad, Pakistan

TEL:0092-51-2824268

FAX:0092-51-2824875

EMAIL:cscecpak@msn.com

Ref: (CSCEC-SECTION-6-275/2022)

Date: Nov 21,2022

## TO WHOME IT MAY CONCERN

This is to certify that Mr. **MUHAMMAD SAJID ALI s/o MUHAMMAD YASEEN** having **CINC NO. 355021-0428473-9** has been working as **Site Engineer** with us from **June, 2021 to Nov, 2022** to our Project Construction of (Peshawar to Karachi Motorway) (Sukkur-Multan) 392 Km Section-6, Group 1 (Uch Sharif, Bahawalpur, Jalalpur Punjab, Pakistan).

During his stay with us we find him hard working, diligent, honest and sincere with his assignments.

Best Regards



XU Jian

Project Manager (M-5) Section 6-1, Uch Sharif

PKM Project Management Department, CSCEC



## Albario Engineering (Pvt) Ltd.

Address: 91C Model Town, Lahore, Pakistan Tel: +92 42 5852301-3

Email: [atif@aepl.com.pk](mailto:atif@aepl.com.pk)

Fax: +92 42 5839519

Letter No.2165

Dated:12/06/2020

### Certificate Of Experience

To Whom It May Concern:

This letter is to certify that Mr. Muhmmad Sajid Ali worked with **AEPL** as a Site Engineer (Electrical) starting from 3/07/2018 till 10/06/2020.

During his time in AEPL, He has shown great efforts and dedication in carrying out all the assigned duties, which includes supervision of installing of equipment in 132-KV Sub-Stations, Tagging on all equipment & cables, verification of specifications of equipment as per BOQ and inspection of complete work at sites. He always been a good team player with good communication and problem-solving skills.

We wish him luck in his future career opportunities and hope that he keeps on attaining new heights in his careers.

Sincerely,

  
**Atif Khan**  
General Manager  
(Projects)



الرقم 122141 / س / 20

التاريخ

( 16 Dec 2024 م )

التاريخ

المرفقات: (بدون)  
الموضوع: إشعار تسجيل بالهيئة

خطاب تعريف  
Introduction Letter

To Whom it May Concern

الى من يهمه الامر

Saudi Council of Engineers hereby certifies that

بهذا تشهد الهيئة السعودية للمهندسين بأن

**MUHAMMAD SAJID ALI MUHAMMAD YASEEN**

**MUHAMMAD SAJID ALI MUHAMMAD YASEEN**

has been registered with SCE as follows :

Identity No. : 3183730005

Membership ID : 1097955

Classification: Engineering

تم تسجيله في الهيئة وفقا للبيانات التالية :

رقم الهوية / الإقامة : 3183730005

رقم العضوية : 1097955

التصنيف : هندسة

Specialization : Electrical Engineering

التخصص الرئيسي : الهندسة الكهربائية

Membership Start Date : 12/16/2024

تاريخ بداية العضوية : 12/16/2024

Validity : 12/16/2025

صلاحية التسجيل حتى : 12/16/2025

This letter is issued upon his request without  
any liabilities towards the Council.

وقد أعطي هذا الخطاب بناء على طلبه وبدون أدنى مسؤولية  
تجاه الهيئة.

Best regards,

وتقبلوا خالص تحياتنا ,

الامين العام



م. عبدالمحسن بن ضاوي المجنوني

الرقم الموحد:

920020820

www.saudieng.sa



@Eng\_Council



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