

# OMAR SALEEM

## Mechanical Engineer

### Personal Information

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E-mail: eng.omarsaleem@gmail.com  
Tel: 00965-97110549  
Address: AlRumathiya, Kuwait.  
Resident: In Kuwait since 1999

Nationality: Pakistani  
D.O.B: 09/09/88  
Place of Birth: Rawalpindi, Pakistan.  
Marital status: Single

### Summary

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*Engineer with 8 years of versatile work experience in fields of consulting, contracting and teaching. Looking for a career with an organization that helps my growth in the field and provides challenging and dynamic work routine.*

### Work Experience

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**Position:** Mechanical Engineer (HVAC)  
**Start Date:** April 2015

**Employer:** Kuwait Technical Consulting Bureau  
**End Date:** Present

**Responsibilities:**

- Designing of HVAC system, based on client requirements while satisfying the local regulation Requirements and ASHRAE standards. (All HVAC Systems from Water cooled to DX-systems)
- Generating computer based HVAC system cooling/heating load report, creating duct layouts and sizing of HVAC systems and selecting HVAC equipment based on Load requirements and co-ordination of locations of HVAC equipment and accessories to satisfy the architectural, structural and aesthetic considerations.
- Getting design approvals from related authorities like MEW, KFD & Civil Defence etc. in Kuwait.
- Preparing BOQ and updating specifications.
- Site visits to check coordination drawings and other site supervision issues.
- Report writing and bookkeeping.
- Approved replacement site HVAC engineer at Kuwait Gulf Oil Company new headquarters.

**Projects Involved in:** Wafra Joint Operation head offices, Public Authority for Civil Information expansion project, Kuwait Gulf Oil Company new headquarter, Sabah al Salem Youth center, National Guard- Ammunition Warehouses, South Saad Al Abdullah Smart city project, Mubarak Al Abdullah Joint Staff College, National Guard Clinic, New Integrated Office building KNPC, Bait al Wataniya refurbishment and many others.

**Part time:** Part-time Secondee  
**Start Date:** December 2017

**Employer:** Kuwait University  
**End Date:** On going

Doing research at Kuwait University with faculty member on topic " Sequential Carnot Cycles".

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**Position:** Mechanical Engineer  
**Start Date:** Feb 2015

**Employer:** Techno Scope  
**End Date:** March 2015

**Responsibilities:**

- Site work, Completing jobs as per client requirement adhering to standards, Inspection and testing of completed jobs as per standards. ( Job Done: Installation of Fan Coil units at Data room at KOC site)
- Cost Estimation and bookkeeping.

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**Position:** Mechanical Engineer  
**Start Date:** September 2010

**Employer:** Kuwait University  
**End Date:** February 2015

**Responsibilities:**

- Teaching Assistance, Lab Classes, Tutorial Lectures, Calibration and Testing. Conducted Mechanical tests as per ASTM standards (Tensile test, Hardness Test, Impact test, Optical emission spectrometer for chemical analysis of metals and various others). Calibration of cube crushing machines, hydraulic press and standard weight set various field locations.
  - Actively participated in organizing of Fifth International Conference on Energy Research & Development (ICERD-5) April 09 - 11, 2012 in Kuwait.
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## Education and Qualification

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- **Mechanical Engineering MSc (Thesis based) from Kuwait University (2017)** GPA: 3.00  
**Thesis Title:** Analytical Study of Thermal Variation Impact on Dynamics of a Spindle Bearing System.
- **Mechanical Engineering BSc from Kuwait University (2010)** GPA (Cumulative):3.15  
**Capstone Project:** Analysis and Design Construction of a Solar Still  
**Other Projects:** Building a Simple Single Pass Heat Exchanger, Building a Wooden Truss Bridge, Designing a Smart Miniature Car.
- **Summary of High Secondary School Qualifications:**  
‘AS’ Levels (Sept’04 – July’05), Kuwait National English School  
IGCSE (Sept’02 – July’04), ISCP Kuwait

## Software / Applications

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HAP, HEVACOMP, AutoCAD, REVIT (basic use) CBE Thermal Comfort tool, MATLAB, Ansys, EES, ROSA (Reverse Osmosis System Analysis), Microsoft Office XP, MS Word, MS Access, MS Excel, Microsoft Visio, Microsoft PowerPoint, Adobe Photoshop, Gantt Project

- **Technical Languages:**  
C++, QBasic, CNC
- **Operating Systems:**  
Windows 7, Windows VISTA, Windows XP

## Awards & Certificates

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- Registered Engineer at Pakistan Engineering Council
- Member of Kuwait Society of Engineers
- Attended Hourly Analysis Program training by CARRIER
- Completed Course 101: Green Building Basics & LEED
- Completion of CNC training course, Mechanical Engineering Department, KU.
- Model Employ for academic year 2012/2013, Kuwait University
- Sumo Competition in ME-259-Introduction to Design For Third Place
- First Aid Training Course Certificate, Emergency Medical Services- Kuwait.

## Languages (Speaking skills)

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- English, Urdu (Fluent)
- Arabic (Basic)

## References

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References furnished upon request.