



Lebanon, South-Government, Saida.
Kinshasa-Democratic Republic of Congo

Phone

+96170 629 550 +243 826 200 558

Email

alidiab95@outlook.com

Ali Hasan Diab

MECHANICAL ENGINEER

Mechanical engineer, I am an enthusiastic, honest, dedicated, self-motivated, reliable, responsible and hardworking person, with excellent time management and communication skills. I am a mature team worker and adaptable to all challenging situations. I am able to work well both in a team environment as well as using own initiative. I am able to work well under pressure and adhere to strict deadlines.

Projects.

River Towers

Kinshasa-Democratic Republic of Congo

Kinshasa Mall

Kinshasa-Democratic Republic of Congo

Achievements.

The True Sight.

2016

18th Engineering Projects Day in BAU.
3rd Place.

The Smart Village

2017

19th Engineering Projects Day in BAU.
2nd Place.

Work Experience.

Mechanical Engineer

Design, Shop Drawing, Site Engineer

Oct.2022-Present

Kinshasa-Democratic Republic of Congo

Best Building Company (BBC)

- HVAC:
 - ◆ Central Air Conditioning System.
 - ◆ Duct System.
 - ◆ Ventilation System.
 - ◆ Chilled Water System.
 - ◆ Duct Manufacturing
- Plumbing:
 - ◆ Water Supply.
 - ◆ Drainage.
 - ◆ Filtration System
- Fire Fighting System.

Languages.

Arabic	Native
English	Excellent
Française	Good

Teaching Exp.

IEC Teaching Center

Giving private lessons for secondary students after school time, in math and physics.

Sep.2017-Jul.2019

Skills.

Technical Knowledge.

Microsoft Office	Advanced
AutoCAD	Proficient
HAP	Advanced
Solid Works	Proficient
Lab View	Advanced
Automation Studio	Proficient
Aurduino	Proficient
Matlab	Advanced
Pipe Flow Expert	Proficient
Fire	Advanced
WaterCad	Advanced
Water Gems	Advanced
Duct Sizer	Advanced

Work Experience.

Mechanical Engineer

March.2024

Mechanical Design Courses (MDC)

Attended a 60-hour course in HVAC Design and HAP workshop covering the topics:

- HAP Program, for heating and cooling loads.
- AC units selection, duct and chilled water sizing.
- Boiler and Chiller calculation.
- Air outlets and Fans (Types and selection).
- Radiators and trench heater selection.
- VRV selection software.
- HVAC Systems description and selection.
- Fresh Air Units.
- Primary & Secondary circuits.
- Chilled water pipes sizing.

Mechanical Engineer

Design, Shop Drawing, Site Engineer

April.2021-Oct.2022

Beirut- Lebanon

Mechanical Engineering & Contracting CO (MEC)

- HVAC:
 - Central Air Conditioning System.
 - Central Heating System.
 - Duct System.
 - Floor Heating System.
 - Ventilation System.
 - Chilled Water System.
- Plumbing:
 - Water Supply.
 - Drainage.
 - Swimming Pools.
- Fire Fighting System.
- Solar System.

Skills.

Communication and Planning.

- ✓ Developed verbal and written communication skills in writings and presentations, ability to communicate confidently and effectively with people at all levels and from diverse backgrounds.
- ✓ Dealing with students of different ages and fields (due to teaching experience).

Hand Skills.

- ✓ Model Making for projects.

Self-Learning.

- ✓ Checking frequently websites and videos providing mechanical information.

Organizational and Analytical Skills.

- ✓ Organization and accuracy in work.

Teamwork

- ✓ Ability to work effectively in a team and with professionals, within and outside the engineering sector.

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Work Experience.

Mechanical Engineer

Jun.2018-April.2021

South Governorate- Lebanon

Ministry of water & energy- South Lebanon Water Establishment SLWE

Working in the production & distribution department:

- Designing & Maintenance of water pumping stations.
- Wells operation.
- Designing, implementation, and maintenance of pipeline networks.
- Generators operation and maintenance.
- Control Panels operation and maintenance.
- Preparation of BOQs for water pumping stations and pipeline networks.

Mechanical Engineer

Aug.2019-Jan.2020

South Governorate- Lebanon

Bureau Technique pour le developpement (BTD)

Preparation of well reports including the following parameters:

- Oxidation-Reduction potential (ORP).
- Total Dissolved solids (TDS).
- Conductivity.
- pH.

Maintenance Engineer

Feb.2018-May.2018

Ghazieh- Lebanon

M.EZZAT JALLAD & FILS

Participated in the maintenance of hydraulic machines, diesel engines, and generators.

Mechanical Engineer

Feb.2018

Youth For Development

Completed successfully the following ICDL modules tests:

- IT Security.
- Computer Essentials.
- Word Processing.
- Spreadsheets.
- Database.
- Presentation.
- Online Essentials.

Education.

Mechanical Engineering.

Bachelors Degree
Beirut Arab University (BAU)
2013-2018

General Sciences.

Lebanese Baccalaureate
Al-Mostafa High Schools
2010-2013

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Work Experience.

Mechanical Engineer

Dec.2017

Lebanese Industrial Research Achievements Program (LIRA)

Participated in the LIRA 13 Forum of Technology & Industrial Innovation in recognition for innovation in the design and execution of: "Smart Building".

Mechanical Engineer

Dec.2017

Lebanese Industrial Research Achievements Program (LIRA)

Participated in the LIRA 13 Forum of Technology & Industrial Innovation in recognition for innovation in the design and execution of: "Inspection Fire Fighting Robot".

Mechanical Engineer

Aug.2017-Dec.2017

Ghazieh- Lebanon

Ghaddar Machinery Co. S.A.L

Attended a training program at Fabrication Industrial Department, covering the topics of:

- 3D CAD Modeling for sound-proof canopies.
- Design Modification of Generators' base-frames.
- Simulation of generators' control panel stands & battery rooms.
- Optimization of the different lines of generating sets.

Mechanical Engineer

May.2017

Beirut Arab University (BAU)

Participated in the 19th Engineering Projects Day with a theme of "Smart Structures" with a project entitled: "The Smart Village".

Maintenance Engineer

Feb.2017

Ghazieh- Lebanon

M.EZZAT JALLAD & FILS

Participated in the maintenance of hydraulic machines, diesel engines, and generators.

Mechanical Engineer

Nov.2016

UPLAND (Electro-Mechanical Consultancy)

Completed the Intensive Training course (40-hours) on Fire Fighting Design and Shop-Drawings.



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Work Experience.

Mechanical Engineer

May, 2016

Beirut Arab University (BAU)

Participated in the 18th Engineering Projects Day with a theme of "Enable not Disable: Assistive Engineering for Seamless Integration" with a project entitled: "The True Sight".

Mechanical Engineer

July, 2015

Beirut Arab University (BAU)

Participated and completed a 20-hour course in Swimming Pool's Design, Operation & Maintenance, organized by Center for Continuing & Professional Education.

Facebook.

facebook.com/ali.h.diab1/

Instagram.

instagram.com/ali_hsn_diab/

Linkedin.

linkedin.com/ali-diab-13a6a9150/