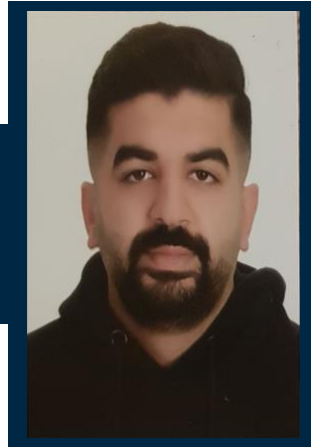


# Mahdi Ahmad Abbass

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## ▼ Objective

**An Electrical Engineer, Fresh Graduate.** with distinction in Bachelor of Science in Electrical and Electronics Engineering, looking forward to a challenging environment demanding all my skills and effort to explore and adapt myself in different fields and realize my potential where I get the opportunity for continuous learning.

## ▼ Experience

Sep 2019–Present

**Electrical Engineer • Electrical Design Engineer • Tec-Office**

## ▼ Education

Lebanese International University, Beirut

- 2021-2022: Master I of Electrical and Electronics Engineering, Lebanese International University LIU.
- 2020-2021: Bachelor of Electrical and Electronics Engineering, Lebanese International University LIU.
- 2017-2018: Graduated from Lycee-officiel Mayfadoun High School- General Science.

## ▼ Languages

- Arabic: Mother tongue.
- English: Excellent command in Speaking, Reading and Writing.

## ▼ Courses:

- From Wire to PLC, A Boot-camp in Industrial Automation --- 17.5 total hours (Udemy).
- Electrical Power Distribution (Applied on Hospital project) --- 20.5 total hours.
- Ultimate Electrical Technical Office Engineer--- 24 total hours
- Professional Shop Drawings for Low Current Systems--- 11 total hours
- Ultimate Shop Drawings for Electrical Infrastructure Networks--- 7 total hours
- KNX/ETS-Primer (Udemy) --- 8.5 total hours.
- KNX Preparatory Course from KNX ZONE (Certified by KNX Association) --- 4 total hours.
- Learn BMS & Level Up Your Career-Building management system --- 4.5 total hours (Udemy).

## ▼ Software Skills

- Autodesk AutoCAD.

- DIALux evo.
- Etap.
- Ecodial.
- ETS6.
- CODESYS.
- WinproLADDER.
- Utility Manager.
- MATLAB & SIMULINK.
- Proteus.
- LT-Spice.
- Office Tools: Microsoft Office (Word, Excel, Power point).

## ▼ Projects

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### ➤ PROJECT 1: Box Wrapper with HMI.

- **Software:** PLC CODESYS Software.
- **Programming Languages:** Ladder Logic (LD).
- **Description:** Semi-automatic wrapping machine. FP BOX with rotating table, suitable for wrapping boxes and small packages. The rotation of the table is motorized, activated by the pedal and with adjustable speed; the movement of ascent/ descent coil is manual with reel holder counterweighted. The standard table has turntable completely smooth. You can request the non-slip rubber coating or different locking systems of the pack.

### ➤ PROJECT 2: Dosing Machine with HMI.

- **Software:** PLC CODESYS Software.
- **Programming Languages:** Continuous Function Chart (CFC), Structured Text (ST), and Ladder Logic (LD).
- **Description:** The automatic dosing machine is widely used in the waste water treatment, it can mix the compounds continuously and effectively, so the reactive polymer solution appears. These main components of the machine: Polymer feed machine (including material hopper), Dry powder infiltration device, Tank, Level controller, Mixer, Dosage water inlet pipe, Electric control panel.

## ▼ Strengths and Skills

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- Took initiative and worked independently or part of the group.
- Hard working and Flexible to different situations.
- Very Competitive person.
- Very motivated individual.
- Always trying to improve my skills to cope with the evolution of technology. •
- Learn from previous mistakes to avoid them in future.

## ▼ Activities & Voluntary

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Lebanese Red Cross Volunteer (Youth Sector)

## ▼ Certificates and References

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Available When Requested.