

Ahmad Elhaj Asaad

Electrical Designer

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🌐 Ahmad El haj asaad

PROFILE

Dedicated Electrical Design Engineer with a strong work ethic and proven expertise in **Revit and AutoCAD** for delivering accurate and efficient electrical designs. Highly skilled in designing lighting, power, and low-current systems in full compliance with **national standards**. Committed to producing high-quality, reliable solutions through attention to detail and professional excellence.

CERTIFICATES

- Bachelor's Degree in Electrical and Electronics Engineering
- Certificate in Electrical Installation (Calculation and Shop Drawing)

PROFESSIONAL EXPERIENCE

Electrical designer for Villa

12/2024 – 02/2025
Tripoli, Lebanon

- Executed clash detection analysis in Revit to avoid conflicts between electrical services and other building systems.
- Calculated cable sizes and voltage drop for lighting, power, and equipment loads to ensure efficiency and reliability.
- Prepared detailed lighting and power socket designs using AutoCAD and Revit based on residential standards.
- Designed and coordinated low current services such as CCTV, fire alarm systems, TV, and data networks.

Electrical Designer for school

03/2024 – 05/2024
Tripoli, Lebanon

- Implemented clash detection using Revit to coordinate electrical systems within an educational facility.
- Performed cable sizing and voltage drop calculations for classrooms, offices, and common areas.
- Designed lighting and power socket systems using AutoCAD and Revit in accordance with educational and safety standards.
- Designed and integrated low current systems such as CCTV, fire alarm, TV distribution, and structured data cabling.

PROJECTS

IOT Mobile Monitored Weather Station

06/2024 – 09/2024

smart weather station that measures: humidity, temperature, wind speed, rain, day or night. This project built with the microprocessor esp-32(Wifi) in order to give the result on the mobile which is connected to the internet, so it can be use in any place and time.

LANGUAGES

Arabic
Native

English
Fluent (C1)

SKILLS

- Autocad
- Automation Studio
- Revit
- Microsoft Office