

# Abdelrahman Waheed Ibrahim Elshimi

Electrical Engineer

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📅 20 Dec 2002

🏃 Exempted from Military

## Profile

Motivated and detail-oriented **Electrical Engineer** with a strong academic background and hands-on training in **power distribution, BIM modeling, site supervision, and maintenance**. Skilled in using **Revit and AutoCAD** for electrical design and coordination. Eager to apply technical and problem-solving skills to deliver efficient, high-quality engineering solutions within dynamic project environments.

## Education

**Bachelor's degree of Electrical power and Machines Engineering department,**  
Faculty of Engineering, Alexandria University, Egypt.

Sep 2020 – Jul 2025

- Cumulative Grade :- Excellent.

## Graduation Project

**Comprehensive distribution of electrical systems in a tourist village.**

Sep 2024 – Jul 2025

- Grade :- Excellent.
- Applied on Load Estimation, space program, lighting design, small power design, Panel Schedule, Cable sizing, Bulk Equipment and SLD, Infrastructure.
- The tourist village consists of 143 villas, 12 apartment buildings, a mall (with a supermarket, storage areas, restaurants, a food court, and shops across two floors), FIFA-standard football playground and FIBA-standard basketball court.

## Trainings

- **Pharco Pharmaceuticals Factory** ( Maintenance ) Oct 2025
  - Trained in the maintenance and troubleshooting of electrical systems within pharmaceutical production lines.
  - Gained practical experience in motors, control panels, and preventive maintenance procedures.
- **Al-Rowad for Electrical Contracting** ( Site ) Sep 2025
  - Project: Misr El-Beida for Spinning and Weaving Company.
  - Supervision, assisting in the installation, and testing of electrical systems.
  - Gained hands-on experience in lighting, power, and low current systems, as well as coordination with other disciplines to ensure project quality and safety standards.
- **Lectrobar for Electrical Industries** ( Technical Office & Site ) Jul 2025 – Aug 2025
  - Technical Office: Busbar design and shop drawing using REVIT and electrical studies.
  - Site: Space previewing, Busbar system installation, and using Megger for insulation tests.
- **Abu-Qir Petroleum Co.** ( Maintenance ) Sep 2023
  - Learned the electricity generation process, distribution process, electrical panels, switch gears, MCC, UPS, inverters, converters, PLC, SCADA, protection technologies, safety tools, EX systems, motors maintenance, emergency systems and occupational safety and health course.
- **Abu-Qir Power Generation Station** ( Operation & Maintenance ) Jul 2023
  - Followed and learned the electricity generation process, step-up transformers for electricity transmission, distribution stations, Egyptian electricity grid and occupational safety and health course.

## Courses

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- **Electrical BIM Diploma** ( DAR AL KAHRBAA for Contracting ) Jul 2025 – Oct 2025
- **Rank :-** 4<sup>th</sup> place among 50 trainees.
  - Used REVIT for ELEC and LC design, Performing shop drawings, quantity survey and BIM coordination for different electrical works.
  - Trained on Navisworks, Dynamo and family creation.
  - All skills are applied to an integrated individual project.
- **Electrical Distribution Diploma** ( DAR AL KAHRBAA for Contracting ) Jun 2024 – Sep 2024
- **Rank :-** 18th place among 1100 trainees.
  - All skills are applied to an integrated individual project.
  - I have successfully Finished:
- |   |   |
|---|---|
| <b>1. L.V Systems Design</b><br>1.1- Load Estimation<br>1.2- Lighting Design<br>1.3- Power Design<br>1.4- MEP<br>1.5- Panel Schedule<br>1.6- Bulk Equipment<br>1.7- SLD<br>1.8- V.D & S.C | <b>3. Shop Drawing</b><br>3.1- Method of Statement<br>3.2- Engineering Log<br>3.3- Composite Drawings<br>3.4- L.V Systems<br>3.5- L.C Systems<br>3.6- Cable Routing<br>3.7- Shop Drawing Package & Material Submittal |
| <b>2. L.C Systems Design</b><br>2.1- Data & Telephone systems<br>2.2- Fire Alarm System<br>2.3- Public Address System<br>2.4- Access Control System<br>2.5- CCTV System                   | <b>4. Tendering</b><br>4.1- BOQ<br>4.2- Systems Studying Sheets<br>4.3- Avg Length for different systems sheets<br>4.4- Studying Catalogues & Datasheets<br>4.5- Materials Taking off sheets                          |
- **Electrical Distribution Diploma by Eng/ Mohamed Emam** ( Online ) Aug 2023 – Oct 2023
- Trained on ELEC and LC design, performing shop drawings, method of statement and tendering for different electrical works.

## Skills

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- **Technical**
- REVIT
  - AutoCAD
  - Dialux EVO
  - Navisworks
  - Etap
  - Microsoft Office (Excel, PowerPoint, Word)
  - TIA Portal
  - MATLAB Simulink
  - Arduino IDE
- **Personal**
- Communication Skills and Presentation
  - Teamwork, Leadership
  - Problem Troubleshooting
  - Analytical Skills
  - Working Successfully under Pressure
  - Organizing time and work management
  - Creativity

## Languages

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- **Arabic :** Native
- **English :** Very Good

## Certificates

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- For a soft copy of all certificates, click [here](#) .