

Raed El Hassan

Electrical Engineer | Coding & Robotics Educator

Contact No: +96171784046

Address: Zehrieh, Tripoli, Lebanon

Email: Raed.ElHassann@gmail.com

LinkedIn: [LinkedIn_Link](#)

❖ Objectives

Driven electrical engineer and educator passionate about AI, robotics, and community service. My mission is to design compassionate tech solutions that uplift the vulnerable and enhance human well-being. Committed to empowering youth through coding, mentorship, and socially impactful innovation.

❖ Work & Internship experience

Coding & Robotics Teacher

Jan 2025 – Present

CodeBrave, Lebanon

- Teach children coding and robotics through interactive, hands-on sessions using block-based platforms like MakeCode and Micro:bit.
- Guide students in designing and programming IoT-based agricultural projects
- Inspire and mentor youth in underserved communities to explore technology and build confidence in STEM.

Electrical Drawing Installation intern

July 2024 – Sept 2024

EDSO Group, Lebanon

- Created detailed electrical drawings for residential and commercial buildings using AutoCAD.
- Designed circuit breaker connections for protection.
- Conducted site visits to oversee installation work and ensure accuracy of electrical drawings.

C++ programming language intern

July 2024 – Aug 2024

CodSoft

- Developed and implemented C++ code to complete assigned tasks and projects.

Solar Energy Systems intern

July 2024 – Aug 2024

Association of Energy Engineering with Earth Technologies company

- Studying PV systems with its main components.
- Design solar systems connections with the needed calculations and protection and practicing software simulations using PVsyst and Helioscope.

Kids Genius Trainer

Oct 2022 – Sept 2023

Ruwad Al Tanmeya in Tripoli, Lebanon
with the Canadian Embassy

- Deliver 1 session per week for 16 children to teach them the skills of designing wood models and implementing Electronic and Arduino circuits.
 - Maintain a growth mindset toward student learning and teaching practice.
-

❖ Education

Bachelor of science in electrical engineering

Jan 2021 – Dec 2024

Univesity of Balamand, Koura campus, Lebanon

- Dean Honor List for Spring semester 2022-2023 and Fall semester 2023-2024

❖ Technical Skills

- | | | | |
|-------------|--------------------|-------------------|---------------|
| • MS office | • Visual Studio | • Power BI | • Proteus |
| • C | • Cloud Computing | • Quartus | • MPLAB X IDE |
| • C++ | • PVsyst | • Multisim | |
| • Python | • Machine learning | • MATLAB/Simulink | |
| • HTML | • AutoCAD | | |
-

❖ Soft Skills

- | | | | |
|-----------------|------------------------|-------------------|-----------------------|
| • Communication | • Empathy | • Problem Solving | • Time Management |
| • Patience | • Teamwork | • Creativity | • Attention to Detail |
| • Mentorship | • Cultural Sensitivity | • Self-Motivation | |
| • Adaptability | • Leadership | • Growth Mindset | |
-

❖ Languages

Arabic : Native

French : Novice

English : Upper-intermediate

❖ Training experience

Database & Programming Training

April 2025 – June 2025

AICA in partnership with ICDL, Tripoli, Lebanon

- Learned Microsoft Access (basic to advanced) for database creation, queries, and reporting.
- Gained foundational Python skills for data handling and logic-based problem solving.

Data Analytics Training

Dec 2023 – Feb 2024

AICA in partnership with ICDL, Tripoli, Lebanon

- Trained in Excel (basics to advanced), including data organization, pivot tables, and visualization tools.
- Developed practical data analysis skills through hands-on exercises using real-world datasets.

PV Solar System Maintenance

July 2024

SHiFT in Tripoli, Lebanon

with the Lebanese American University

- Studied PV system fundamentals, including load calculations, components, and energy auditing.
 - Designed protection schemes and participated in hands-on solar installation projects during site visits.
-

❖ Achievements & Accomplishments

- Completed over 90+ hours of certified online training in AI, deep learning, NLP, and computer vision in Datacamp with Beirut AI. (Aug 2024 – Present)
- Training Certificate with AICA and the International Computer Driving License (ICDL), in Access basic, Access advanced, and Python. ID: LB23000682 (April 2025 to May 2025)
- Participation certificate in Workshop "AI in Healthcare: A Morning of Discovery" with ZAKA in partnership with HealTech at USJ (April 2025)
- Solar Systems Maintenance Training Certificate with SHiFT and the Lebanese American University (LAU), In Studying PV Solar systems during 48 hours across the month. (July 2024)
- Training Certificate with AICA and the International Computer Driving License (ICDL), In Excel basic, Excel advanced, and Data Analytics Modules. ID: LB23000682 (Dec 2023 to Feb 2024)

- Participation certificate in Workshop “The Rise of AI; Co-existing with Artificial Intelligence” with IEEE Lebanon branch at BAU (Oct 2023)
- Participation certificate in Images of Interactive Theatre training, and Puppet Making with Shababik in partnership with Basmeh & Zeitooneh (Aug 2023)
- Leadership training participation certificate with Ruwwad Al Tanmeya and NAWAT Consortium project under BMZ/Care fund. (November 2022) (<https://www.ruwwad.ngo/node/328>)
- Participation certificate in a yoga and theatre training, and doing a small play With Seenaryo (May 2021) (www.seenaryo.org)

❖ Volunteering work

Support Coordination – Child Development Program

August 2024 – Present

Ruwwad Al Tanmeya in Tripoli, Lebanon

- Assist in designing projects’ plans and strategies and develop detailed timelines.
- Help developing documents to streamline projects’ coordination such as “TOR”, “SOP”, etc...
- Track project progress and collect data to evaluate projects’ performance and effectiveness.
- Help identify challenges that arise during projects’ implementation.

Volunteer – Child Development Program

August 2022 – Present

Ruwwad Al Tanmeya in Tripoli, Lebanon

- Support underserved children through educational and creative workshops in art, woodcraft, and basic electrical circuits.
- Deliver interactive sessions on IT skills, introducing young learners to technology in a fun and engaging way.
- Foster a safe and inspiring environment that nurtures creativity, critical thinking, and self-expression.

Library management

July 2022 – July 2024

Ruwwad Al Tanmeya in Tripoli, Lebanon

- Collect and catalogue books using the library management web app. (<https://www.libib.com/>)
- Label new books following by the Dewey Decimal Classification (DDC).
- Clarify the use of library amenities and provide information about library policies.
- Oversee the library to ensure cleanliness, order, and protection of the library’s resources.
- Help patrons research reading materials and references.

References available upon request
