SHAHED SHARMAN

RENEWABLE ENERGY & MECHANICAL ENGINEER

Email: s.alsharman@jadara.edu.jo **Phone:** +962 7 9090 2981
Location: Irbid / Amman, Jordan **DOB:** 19 June 1996

A dedicated and detail-oriented Renewable Energy and Mechanical Engineer with a Master's degree and academic teaching experience. Motivated fast-learner with strong analytical and communication skills, experienced in solar PV system design, thermal simulation, wind power modeling, and engineering education. Proven ability to adapt across diverse team environments and manage complex technical projects.

WORK EXPERIENCE

Lecturer / Faculty Member
2024 – Present

Jadara University – Irbid, Jordan

- Teaching undergraduate courses: Fluid Mechanics, Heat Transfer, and Engineering Math.
- Instructing Fluid Mechanics Labs, guiding practical experiments & data analysis.
- Supervising student graduation projects and preparing course syllabi.

Electrical & Renewable Energy Engineer
10/2021 – 01/2023

AAEMEC – Irbid, Jordan

- Designed 3D solar power models and layouts using SketchUp for client presentations.
- Established computer simulations for wind speed and aerodynamic modeling.
- Prepared technical documentation, project proposals, and single-line diagrams.

Design Engineer
07/2020 – 01/2021

Power and More for Solar Energy – Irbid, Jordan

- Designed Single Line Diagrams (SLD) and schematics for large-scale PV projects.
- Developed 3D system models in SketchUp to optimize orientation & shading.
- Engaged directly with clients to deliver customized renewable energy solutions.

Call Center Agent (VIP Agent)
04/2021 – 05/2021

Extensya – Irbid, Jordan

- Provided client support and business solution queries across Middle East markets.
- Promoted to VIP Agent within one week due to outstanding performance.

Engineering Trainee
06/2019 – 09/2019

Al Manteq Company – Amman, Jordan

- Trained on PV system design, load calculations, and single-line diagrams.

PUBLICATIONS & RESEARCH

"Exploring Refrigeration System Performance with Solar-Powered Mechanical Porous Sub-Cooling"
Published: April 2024 | ResearchGate Publication
https://www.researchgate.net/publication/379735602

EDUCATION

M.Sc. in Mechanical Engineering – Energy Systems
Hashemite University
09/2020 – 07/2023

B.Sc. in Renewable Energy Eng.
Al-Albayt University
06/2015 – 06/2020

TECHNICAL SKILLS

PV System Design | **SketchUp (3D)** | **AutoCAD** | **MATLAB** | **SLD Schematics** | **Wind Modeling** | **MS Office**

CERTIFICATIONS

- Energy Management
- PV-System Design
- SketchUp Advanced
- Communication Skills
- Intelligence & Creativity

SOFT SKILLS

Problem Solving | **Leadership** | **Communication** | **Flexibility** | **Networking**

LANGUAGES

- **Arabic:** Native
- **English:** Full Professional

AFFILIATIONS & SCORES

- AEE Chapter Member
- IQ Test Score: **151.75** / **200**