

Mahmoud Mohammad Ahmad Aljaidi

Phone: +962 785 228 236

Email: Mjoidi1234@gmail.com

Address: Tabarbour, Amman, Jordan

Date of Birth: November 14, 2000

Nationality: Jordanian

Professional Summary

Highly motivated Mechanical Engineering student with a strong academic background in Hydraulic Systems Engineering and Heavy Machinery. Experienced in HVAC design and Revit MEP, with a focus on practical problem-solving and technical innovation. Seeking to apply my skills and knowledge to contribute to impactful engineering projects in a dynamic organization.

Education

Philadelphia University

Amman, Jordan

- **Bachelor of Science in Mechanical Engineering**

2022 - 2025

- Relevant coursework: Thermodynamics, Fluid Mechanics, Machine Design, Materials Science, Heat Transfer

- **Diploma in Hydraulic Systems Engineering / Heavy Machinery**

2019 - 2022

- Specialized training in hydraulic system design, maintenance, and operation of heavy machinery
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Technical Skills

- Proficient in **Revit MEP** for mechanical, electrical, and plumbing design
 - Skilled in **HVAC Design**, including load calculations, duct sizing, and energy-efficient systems
 - Strong understanding of hydraulic systems, fluid dynamics, and heavy machinery operations
 - Familiarity with CAD software (e.g., AutoCAD) and engineering simulation tools
 - Analytical problem-solving and troubleshooting abilities
 - Knowledge of sustainable engineering practices and renewable energy systems
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Certifications and Training

- **Revit MEP Course**
 - Advanced modeling and design techniques for mechanical systems
 - **HVAC Design Course**
 - Comprehensive training in heating, ventilation, and air conditioning systems
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Projects and Achievements

- Designed a small-scale HVAC system as part of coursework, optimizing energy efficiency and airflow distribution
 - Conducted a comparative analysis of hydraulic system components to improve performance and reduce maintenance costs
 - Collaborated with peers on a university project to simulate fluid flow in pipelines using engineering software
 - Actively participated in workshops and seminars on renewable energy technologies and their applications in engineering
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Languages

- Arabic: Native
 - English: Intermediate proficiency
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Interests

- Passionate about sustainable engineering solutions and renewable energy systems
 - Enjoys staying updated on advancements in mechanical and hydraulic technologies
 - Interested in contributing to innovative projects that enhance industrial efficiency and environmental sustainability
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