Mahmoud Mohammad Ahmad Aljaidi

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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**
  Expected Graduation: 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

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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