

# MOHAMMAD ITANI

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## SUMMARY

Results-oriented Mechanical Engineer with a strong aptitude for acquiring new design skills. Proven track record in delivering innovative solutions and leveraging industry best practices. A collaborative and communicative team player, adept at presenting ideas effectively and providing guidance to peers on cutting-edge procedures.

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## WORK EXPERIENCE

### MEP Site Engineer -3D Contracting Modeling

DEC 2022 - FEB 2025

- Assisted senior engineers in project planning and execution.
- Conducted site inspections and monitored construction progress
- Collaborated with contractors and subcontractors to ensure project milestones were met.
- Prepared reports on project status and identified areas for improvement.
- Participated in meetings with project stakeholders to discuss timelines and budgets.
- Responsible for overseeing mechanical systems on site, including HVAC installation and maintenance.
- Utilize knowledge in HAP HVAC load calculation design and shop drawing to enhance project planning and execution.
- Applied skills in HVAC load calculation and system design using HAP software to ensure efficient and effective project outcomes.
- Applied knowledge in water distribution, pipe sizing, and drainage system design to support project planning and execution.
- Utilized software for pump selection, water heater calculations, solar system integration, and rainwater drainage design to ensure efficient and sustainable plumbing systems.
- Gained comprehensive knowledge of fire protection systems and codes, including NFPA standards for portable fire extinguishers (NFPA 10), sprinkler systems (NFPA 13), standpipe systems (NFPA 14), and fire pumps (NFPA 20).
- Applied expertise in advanced fire protection systems, including water spray (NFPA 15), water mist (NFPA 750), CO2 (NFPA 12), foam systems, and clean agent fire extinguishing systems (NFPA 2001), ensuring compliance and safety in diverse applications.

### MEP Design & Estimation Consultant – Freelance (Hybrid)

2024-2025

- Designed HVAC systems and provided cost estimates for mid-scale residential projects (apartments and villas).
- Prepared BOQ and technical proposals, ensuring compliance with project requirements and industry standards.
- Supported contractors by providing technical consultations and detailed designs for HVAC systems.

### Marine Engineer-Chehab Marine, Lebanon

JAN 2022 - DEC 2022

- Perform comprehensive maintenance tasks on yachts of varying sizes, ensuring optimal performance and safety
- Carry out inspections, troubleshoot issues, and perform repairs and installations. Demonstrate expertise in marine engineering principles and practices.

## **Quantity Takeoff Specialist- Shehab Engineering & Consulting**

**June 2017 - Feb 2018**

- Conducted comprehensive material quantity takeoffs for projects based on drawings, blueprints, and models.
  - Generated accurate lists of materials required for efficient project planning and execution. Resolved design problems by implementing innovative solutions.
  - Demonstrated proficiency in calculating specifications for components.
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## **NEW TRAINING**

**02/01/2025 - 09/01/2025**

- Completed a 10-hour training on Fire Hydraulic Calculations for Sprinklers and Standpipes from Arab International Academy under NFPA-certified Master Trainer Masoud Saleh.
  - 6 hours dedicated to Fire Hydraulic Calculations (examples: Sprinklers and Standpipes).
  - 4 hours focused on project design application.
  - Gained practical experience using Elite Fire software for hydraulic calculations and project design.
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## **EDUCATION**

**2015 - 2020**

Bachelor of Mechanical Engineering  
Beirut Arab University, Dibliyeh, Lebanon

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## **ADDITIONAL INFORMATION**

- Technical Skills: Project Management, Structural Analysis, Robotics and Automation, CAD, Microsoft 360, Complex Problem Solving, Leadership, Communication, HVAC, Revit, Time Management, Cost Efficiency, Quality Control, Mechanical shop drawing, HAP software.
- Languages: English, Arabic, TurkishA1