

# Ahmad Shamlti

## Mechanical Engineer

Riyadh, Saudi Arabia | +966 560 610 634 | shamltiahmad@gmail.com

Nationality : Jordanian

### Summary

Motivated and detail-oriented Mechanical Engineer with strong practical experience in the design of HVAC, firefighting, and plumbing systems in accordance with international standards (NFPA, ASHRAE, IPC). Proficient in key engineering tools such as AutoCAD, Revit, HAP, and Elite Fire. Adept at designing efficient, code-compliant systems for residential, commercial, and institutional buildings. Currently seeking a challenging role in mechanical engineering, whether in design, operations, or manufacturing.

### Experience

- Mechanical Engineer

Faris Bagaeen Architects & Engineers Consultant – Amman, Jordan (Nov 2024 – Mar 2025)

- Designed HVAC, firefighting, water supply, and drainage systems for residential and commercial buildings.
- Produced technical drawings and layouts using AutoCAD and Revit.
- Conducted load calculations using HAP and DuctSizer; designed fire systems using Elite Fire.
- Prepared Bill of Quantities (BOQs) and ensured compliance with NFPA, ASHRAE, and IPC codes.

- CFD Engineer (Intern)

Sana Engineering Company – Amman, Jordan (Jul 2024 – Sep 2024)

- Participated in Computational Fluid Dynamics (CFD) projects focused on fire safety and smoke ventilation.
- Performed simulations using FDS and PyroSim to analyze fire behavior.
- Evaluated jet fan performance in smoke control systems for ASHRAE compliance.

### Education

Bachelor's Degree in Mechanical Engineering (2020 – 2024)

Applied Science Private University – Amman, Jordan

## Technical Skills

- AutoCAD
- Solidworks
- Creo Parametric
- HAP
- Elite fire
- Revit MEP
- Ansys workbench
- Microsoft Word, Excel, PowerPoint

## Soft Skills

- Strong Communication
- Self Learning
- Team collaboration
- Quick Learner

## Languages

- Arabic
- English