

BAHAA NASR

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PROFESSIONAL SUMMARY

Mechanical Engineering student at LAU, Honors Program member, and USAID HES scholar. Ranked top 20 in the Lebanese Official Baccalaureate (GS). ASME and Robotics Club member.

PROFESSIONAL EXPERIENCE

MECHANICAL ENGINEERING INTERNSHIP | MIDDLE EAST AIRLINES MEA - MEAG GSEM DEPARTMENT BEIRUT, LEBANON

- Assist Assisted in preventive and corrective maintenance of airport ground support equipment, including inspections, troubleshooting, and repair documentation of mechanical systems. July – Aug. 2025
- Gained hands-on experience with various automotive subsystems, including hydraulic, braking, lubrication, pumping, and turbocharging systems, as well as engine disassembly and reassembly (diesel and gasoline).
- Developed practical skills in automotive diagnostics, component servicing, and adherence to safety and operational standards in an aviation maintenance environment.

MECHANICAL ENGINEERING INTERNSHIP HVAC & PIPING DESIGN | KHATIB & ALAMI JNAH, BEIRUT, LEBANON

- Completed a 2-month internship focused on HVAC and piping design for large-scale projects. May – July 2025
- Gained hands-on experience with cooling and heating load calculations.
- Performed ventilation sizing and water/drainage pipe sizing.
- Utilized industry-standard tools including HAP, Elite, Revit, AutoCAD, and Excel.
- Contributed to major projects such as the IMC Medical School in Jeddah and MEA facilities.

LEBANESE AMERICAN UNIVERSITY BYBLOS, LEBANON

- Engineering Summer Camp: Leading high school students in their activities at LAU June-JULY 2024
- Tutor- Career Services Office: Tutoring Strength of Materials: MEE major course for 2nd year students 2024 – 2025
- Undergraduate Research: Designing 3D-printable wearable device for physical rehabilitation, using soft pneumatic sensing technologies. 2024 – present

EDUCATION

LEBANESE AMERICAN UNIVERSITY BYBLOS, LEBANON

Senior Mechanical Engineering student Sept. 2022 – JUNE 2026

- CGPA: above 3.7: Named on the Dean's distinguished list.
- Awarded USAID HES scholarship and attending more than 5 workshops per semester

COLLEGE LE-LYCÉE NATIONAL CHOUAIFET, LEBANON

General Science JUNE 2022

- Grade: 18.167/20: Ranked among the top 20 students in Lebanon

TECHNICAL SKILLS

- SolidWorks – Autodesk: AutoCAD – EES – SIMULINK – Microsoft office – MATLAB – LabVIEW – Unity (VR/ AR development – Meta Quest) – Java – G-code – Project Management: Certified courses at LAU
- Autodesk: Revit – Carrier's HAP – Elite: Acquired through internships and self-learning

PROJECTS & CERTIFICATIONS

SOLIDWORKS SEPT.2023 – DEC. 2023

- Certified SolidWorks Associate (CSWA) – Mechanical Design
- Modeled a certified full V12 engine at LAU

LEBANESE AMERICAN UNIVERSITY BYBLOS, LEBANON

- Blinker Robot for visually impaired April 2024
Designed and built a navigation aid for visually impaired, including mechanical parts, linkages, sensors, and electronics.
- Water level control system: Dec. 2024
Developed a dam control prototype with a PID-controlled closed-loop system using the required electronic components.

MILLENNIUM FELLOWSHIP BYBLOS, LEBANON

Certified Project: Mentoring the Future, focused on youth development and education 2023-2024

VOLUNTEERING AND COMMUNITY INVOLVEMENT

LEBANESE RED-CROSS - CHOUAIFET SECTOR | VOLUNTEERING HOURS COMPLETED 2022–2024

AL BENNAY CHARITABLE CLINIC | MEDICAL VOLUNTEER 2022–2025

USAID HES COMMITTEE | PEER TUTORING & ACADEMIC SUPPORT 2023-2025

HES FUNDED COMMUNITY SERVICE PROJECT | AFFORESTATION AWARENESS & TOOL DISTRIBUTION FOR LOCAL FARMERS 2023-2024

LANGUAGES

- Arabic C2 • English C2 • French A1

EXTRACURRICULAR ACTIVITIES

Football (earned a medal) – Gym – Kickboxing (earned a medal) – Basketball (earned a medal)