

# KOMAIL ALOMAIR

✉ komaila3mal@gmail.com ☎ +966-54-271-2367 📍 Saudi Arabia 🌐 KOMAIL ALOMAIR

## PROFILE

Motivated and detail-oriented Architectural Engineering graduate from KFUPM with LEED AP O+M, LEED AP BD+C, Mostadam AP, and CAPM certifications. Passionate about sustainable design, focusing on energy and water efficiency to enhance environmental and human well-being. Skilled in design development and project coordination. Eager to apply innovative and sustainable solutions to real-world challenges in the built environment

## EDUCATION

**Bachelor's degree in Architectural Engineering** 08-2019 – 12-2024  
*King Fahd University of Petroleum and Minerals* 📍 Dhahran, Saudi Arabia

- Major GPA : **3.21 out of 4.0**
- Recognized with Third Honor Award in the First Term of 2022-2023 and Second Term of 2024.

## EXPERIENCE

**Debsa Built Environment** 05-2025 – 09-2025  
*Sustainability Engineer* 📍 Saudi Arabia

- Collaborated with sustainability consultants (*Salimus™ by Debsa Engineering Consultancy*) to support LEED certification strategies for high-profile governmental and commercial developments, including Monshaat.
- Prepared and coordinated bilingual (Arabic-English) technical documentation, including submittals, compliance reports, material evaluations, and LEED evidence templates, ensuring consistency across architecture, MEP, and civil disciplines.
- Conducted site inspections and on-site coordination to verify design implementation, material conformity, and sustainable construction practices, liaising between procurement, site engineers, and design teams to resolve technical discrepancies.
- Reviewed and updated architectural and MEP drawings (AutoCAD/Revit/BIM) to align with construction schedules, product specifications, and sustainability requirements.

**Internship - MOF Architecture and Engineering Consulting** 06-2023 – 08-2023  
*Architecture/Civil Engineer* 📍 Saudi Arabia

- Architectural Drafting:** Developed detailed architectural drawings, floor plans, and working drawings using CAD software, ensuring design accuracy.
- Construction Supervision:** Assisted in site supervision, ensuring compliance with project specifications, safety standards, and quality control.
- Quantity Takeoff & Procurement:** Conducted quantity takeoffs and prepared procurement lists for efficient project execution.
- Compliance & Quality Assurance:** Ensured construction adherence to architectural plans, Saudi Building Code (SBC), and project requirements.

## PROJECTS

**Graduation Project** 📍 01-2024 – 05-2024  
*Optimizing and Cost-effectiveness Bearing Precast Building Envelope*

- 30.1 % reduction of ordinary precast weight
- 27.3 % reduction of total cost

**High-Performance Facade Design for Urban Sustainability** 📍 08-2023 – 12-2023

- Successfully proposed a facade design that significantly reduces energy consumption through the integration of electrochromic glass and BIPV systems, contributing to a net-zero energy building concept.
- Demonstrated the potential of self-healing concrete to reduce maintenance costs and enhance the longevity of building structures

**HVAC System Design for an Office Building** 📍 06-2023 – 12-2023

- Select HVAC Equipment
- Design Air Distribution System
- Determine Ventilation Requirements:
- Calculate Heat Loss/Gain and Cooling Load

## CERTIFICATES

- LEED Green Associate 📍
- LEED AP® Operations + Maintenance 📍
- LEED AP® Building Design + Construction 📍
- Certified Associate in Project Management (CAPM) - PMI 📍
- Autodesk Revit Architecture 📍
- Mostadam AP for Communities - New Design and Construction (ND+C) 📍
- Professional Accreditation, Engineer - Saudi Engineering Council (SCE) 📍

## SKILLS

**Technical Skills:** Autodesk Revit | BIM | Autodesk Autocad | Twinmotion | Lumion 3D Render | Project coordination | Proficiency in Microsoft Office (Word, Excel, PowerPoint) | Building systems integration (Architectural-Structural-MEP)

**Soft Skills:** Problem-Solving | Self-Development | Leadership | Teamwork skills | Time-Management | Interpersonal skills | Presentation | Emotional Intelligence | Strong communication | Taking-initiative

## LANGUAGES

**Arabic** — Native/Bilingual

**English** — Fluent  
Standardized Test of English Proficiency (STEP), Grade: 83/100