

Bader Zayed Althagafi

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[Bader Althagafi](#)

Saudi Arabia

PROFESSIONAL SUMMARY

A GIS, Geophysics and Environmental specialist with hands-on experience in geophysical data analysis, GIS mapping, and environmental data processing. and producing precise maps to support field projects. Skilled in using ArcGIS and QGIS and ENVI to develop strategic spatial solutions and transform raw data into actionable insights. Seeking to join a dynamic team to support GIS and environmental projects that enhance decision-making and support advanced spatial operations.

EXPERIENCE

Earth Outad Company | Saudi Arabia

Geological Remote Sensing Technician – Mining | April 2025 – Present

- Conducted satellite image processing using ENVI to analyze surface compositions related to mineral exploration.
- Applied Band Ratio techniques to identify geological indicators associated with gold deposits.
- Performed preprocessing and enhancement workflows (such as raster correction, filtering, and spectral analysis) to improve data accuracy.
- Interpreted remote sensing outputs and integrated results with GIS layers to support field decision-making in mining projects.
- Demonstrated strong understanding of remote sensing fundamentals, spectral signatures, and mineral mapping methods.

Excellence Logging (Exlog) | Saudi Arabia

Mud Logger | January –April 2025.

- Monitored and analyzed drilling parameters in real-time to ensure the accuracy of field data.
- Described rock and soil samples to produce precise daily geological reports.
- Enhanced geospatial data quality by integrating field observations with GIS systems, improving map accuracy by 20%.

BGP | Saudi Arabia

Senior Quality Control (QC) Processor | September 2024 – November 2024.

- Conducted quality control and verification of seismic data in collaboration with field acquisition teams.
- Ensured accurate and complete field data collection, reducing errors in geophysical data processing by 15%.
- Developed field data auditing processes that improved team efficiency and minimized review time.

EDUCATION

King Saud University | Saudi Arabia

Bachelor's Degree in Geophysics | 2024.

- Develop a solid understanding of Earth's physical properties and geophysical processes.
- Acquire practical skills in geophysical data collection, analysis, and interpretation.
- Master the use of modern geophysical instruments and GIS technologies.
- Prepare for research and professional roles in exploration, environmental, and engineering geophysics.

COURSES

- GIS & Mapping | Tamkeen Alhadaf For Training | 2025.
- Remote Sensing & Image Analysis | Tamkeen Alhadaf For Training | 2025.

SKILLS

- Spatial Data Analysis.
- GIS Map Production.
- Geospatial Data Management.
- ArcGIS & QGIS Design.
- Raster & Vector Processing.
- Project Workflow Management.
- ENVI Software Processing
- Environmental Data Processing.
- Strategic Data Interpretation.
- Problem-Solving Optimization.
- Stakeholder Communication.
- Process Improvement Innovation.

LANGUAGE

- Arabic.
- English.