

Ibrahim Gaaboub

Project Exploration Geologist

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PROFESSIONAL SUMMARY

Exploration geologist with 5+ years across Egypt, Saudi Arabia and the United Arab Emirates, specialising in regional exploration, geological mapping and mineralization detection for gold and copper. Experienced in estimating mineral resources to JORC and NI 43-101 standards and in bridging mining companies with laboratories, investors and drilling contractors. Strong toolkit across QGIS, ArcGIS, Leapfrog, Global Mapper, PostgreSQL/PostGIS and Python, with hands-on SPT/CPT operations, QA/QC data management and diamond-drilling oversight. Fluent in Arabic and English.

EXPERIENCE

Project Exploration Geologist · Archean Consulting

Sep 2024 – Present

Egypt & Saudi Arabia

- Identify zones of mineralization and estimate mineral resources for gold and copper projects in compliance with JORC and NI 43-101 standards.
- Foster collaboration between mining companies and industry stakeholders — laboratories, investors and drilling contractors — to keep programs moving.

Exploration Geologist · Archean Consulting

Jan 2023 – Sep 2024

Egypt & Saudi Arabia

- Delineated mineralized zones and supported resource estimation on gold and copper exploration programs.
- Coordinated field mapping, sampling and reporting to JORC / 43-101 practice.

Exploration Geologist · Minechem

Jul 2023 – Sep 2024

National mining licence (SMRC), Egypt

- Detected small-scale mineralized zones for pan-mill and cyanide-leaching production.
- With the geology team, helped discover ~30,000 t of ore at ~1 g/t Au in the first production stage — on a limited budget and within 10 months of exploration.

Geologist · Gulf Survey LLC

Apr 2022 – Jan 2023

Abu Dhabi, United Arab Emirates

- Conducted Standard Penetration Test (SPT) and Cone Penetration Test (CPT) operations.
- Performed visual inspection and description of core samples — colour, texture, grain size — to ASTM and BS standards.

Junior Exploration Geologist · Nautilus (Mining & Petroleum Consulting)

Jan 2020 – Apr 2022

Egypt

- Regional exploration, including mapping and sampling of potential mineralization zones.
- Daily data entry and QA/QC of logging and assay results for accurate, reliable datasets.
- Planned and prepared diamond-drilling (DD) programs, including drill-target selection and oversight.

EDUCATION

B.Sc. Geology & Chemistry (Geochemistry)

2019

Bachelor of Science, Department of Geology & Chemistry

TRAINING & COURSES

Mining School — Egyptian Syndicate of Scientific Professions

Mining project and geological workflow from exploration to production; held at Alexandria University.

Surface Mining Training — Centamin (Sukari Gold Mine)

All stages of surface-mining production: survey, drilling, crushing, lab, blasting and related operations.

OSHA — General Industry (Egyptian Syndicate of Scientific Professions)

HSE reporting and identification of different hazard types.

FIELD TRIPS

Eastern Desert (Marsa Alam, Qusair, Safaga) · Qusair (El-Nasr Mining Company) · Western Desert (Bahariya Oasis, Dakhla Iron Mine) · Qena (Misr Cement Qena) · Gulf of Suez (General Petroleum Company) · Riyadh (Quwaiyah, Khaniqia, Helet) · Madinah (Shajwa, Al Mulaylih) · Qassim (Al Dariah)

SKILLS

GIS & Geoscience	QGIS · ArcGIS · Leapfrog · Global Mapper · MapInfo
Data & Dev	Python (NumPy, Pandas, Matplotlib, Plotly, GDAL, Rasterio, Tkinter) · HTML · CSS · JavaScript · React · PostgreSQL / PostGIS · GeoServer (WMS/WFS) · Leaflet · OpenLayers · SQL
Design & 3D	Blender · Photoshop · Illustrator · After Effects
Technical	Geological mapping · sampling · reporting · SPT / CPT · diamond drilling · QA/QC · mineral resource estimation (JORC / 43-101)
Office	Word · Excel · PowerPoint · Access · Outlook
Personal	Communication · Leadership · Collaboration
Languages	Arabic (native) · English (professional)