TECHNICAL EDUCATION ACADEMY

Soliman Gharieb

Instructor

A Data Analyst and Python Developer with a strong academic and professional background in geology and geophysics, and proven experience in the oil and gas industry. Currently contributes to the Egypt Upstream Gateway (EUG), a strategic initiative developed through collaboration between SLB and the Egyptian Ministry of Petroleum and Mineral Resources as part of Egypt Vision 2030 and the Digital Egypt program.

Specializes in supporting decision-making through the development of reports, dashboards, and analytical tools using Excel, Power BI, SQL, and Python. Brings solid expertise in data management, data extraction, data cleaning, and data quality assurance, with a strong focus on maintaining data integrity, reliability, and structured databases for technical and business use.

Also has experience in data science and machine learning, including the development and deployment of models for image analysis and optical character recognition (OCR). Skilled in extracting data from technical documents and transforming unstructured information into structured datasets stored in SQL databases and Excel-based reporting systems for use in subsurface studies and analytics.

In addition, develops user-friendly software applications and automation tools using Python and GUI libraries to improve team productivity and streamline repetitive workflows. Has practical experience in processing and manipulating geoscience data formats such as SEG-Y and LAS, as well as working with a wide range of file types including PDF, XLSX, CSV, and TXT.

Combines strong analytical capability, programming expertise, and domain knowledge in geoscience to deliver efficient digital solutions, improve data workflows, and support high-quality technical analysis in the oil and gas sector.