



MOMIN AHMED BUTT

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Waris Khan, Rawalpindi, Pakistan

GEOLOGIST (Gold Medalist)

A competent Geologist eager to learn all the aspects of E&P industry. Hardworking, Honest and having good multitasking and organizational skills, able to tackle any situation with positive impact. Detail-oriented student with hands-on experience performing research to advance research goals. Highly proficient in conducting comprehensive literature reviews and isolating and preparing samples and specimens for testing. Proficient in using and interpretation of petro physical logs. Experienced in working in Field. Self-driven, dedicated, and motivated individual with a strong work ethic to work independently. Familiar with experimental protocols and laboratory equipment as well have proven public speaking skills and experience.

EDUCATION

Bahria University (2022-2024)

Master of Science in Geology (Gold Medal)

Bahria University (2018-2022)

Bachelor of Science in Geology

Punjab Collage of Information Technology (2015-2017)

Higher Secondary School Certificate

St. Mary's Cambridge School (2005-2015)

Secondary School Certificate

PROFESSIONAL EXPERIENCE

Bahria School of Engineering and Applied Sciences

December 2023 – November 2024

Research Assistant (Geologist)

As a Research Assistant in Geology, I specialize in diverse research areas including petrophysics, seismic analysis, TOC estimation, and formation correlation. I am proficient in utilizing ArcGIS, Surfer, Gverse, Kingdom, and Petromod for data analysis and visualization, contributing actively to research article writing and image digitization.

Accomplishments:

- Conducted comprehensive petrophysical analyses contributing to accurate reservoir characterization.
- Successfully applied seismic interpretation techniques to identify subsurface structures and potential hydrocarbon reservoirs.
- Developed robust methodologies for Total Organic Carbon (TOC) estimation enhancing resource assessment accuracy.
- Conducted precise formation correlation studies using well log data and geological maps.
- Produced high-quality research articles and reports incorporating advanced data visualization techniques using ArcGIS and Surfer software.

Sparkling Asia

July 2023 - November 2023

Team Lead

Drove the organisation to remarkable achievements, realising an exceptional growth rate over six months. Proactively identified solutions to enhance the team's capabilities.

Accomplishments:

- Provided comprehensive virtual assistance to Clients.
- Implemented data-driven approaches to analyze campaign performance metrics.
- Lead generation by utilizing targeted strategies and innovative tools.

Geologist

As a Geologist in a metals and minerals company, I specialize in exploration, resource assessment, and environmental compliance. My role involves evaluating geological data to identify mineral deposits, ensuring efficient and sustainable mining operations.

Accomplishments:

- Successfully led geological surveys resulting in the discovery of new mineral deposits.
- Implemented advanced resource assessment techniques, optimizing extraction processes and increasing resource recovery.
- Developed and managed geological models that enhanced decision-making for mining operations.
- Contributed to environmental compliance initiatives, ensuring adherence to regulatory standards and minimizing environmental impact.

Pakistan Oilfield Limited**June 2022 - July 2022****Internship**

Applied theoretical knowledge in a dynamic setting during an enriching internship within the oil field sector. Assisted in various aspects of operations, including fieldwork, data collection, and analysis, contributing to the optimization of production processes.

Accomplishments:

- Hands on experience of different exploration software.
 - Delineation of subsurface geological structures and seismic interpretation.
 - Application of different geophysical techniques with reference to target and objectives. •
- Understanding of seismic and log suites for geophysical and petro-physical analysis.
- Seismic data interpretation.

Fiverr. & Upwork**January 2019 - Present****Freelancing**

Demonstrated versatility in managing multiple projects simultaneously, ensuring timely delivery and client satisfaction. Cultivated strong professional relationships and earned recognition for consistently exceeding expectations in a dynamic freelance landscape."

Accomplishments:

- Providing invaluable administrative support and organizational efficiency as a Virtual Assistant. •
- Utilizing Shopify's tools and techniques to create seamless online shopping experiences.

Research (Master's)**Source Rock Characterization of the Ranikot Formation using seismic and well logs data, Gambat Block, Lower Indus Basin, Pakistan (2024)**

- Conducted detailed seismic interpretation to map subsurface structures and identify potential source rock intervals within the Ranikot Formation.
- Analyzed well log data to characterize lithology, porosity, and organic content of the Ranikot Formation, crucial for assessing its potential as a hydrocarbon source rock.
- Utilized well log data to estimate Total Organic Carbon (TOC) content of the Ranikot Formation, providing insights into its hydrocarbon generation potential.

Research (Bachelor's)**Petrophysical analysis of Balkasar Oil Field, Upper Indus Basin, Pakistan (2022)**

- Conducted comprehensive data acquisition of well logs (such as gamma ray, resistivity, and porosity logs) from the Balkasar Oil Field. Interpreted these logs to characterize reservoir properties including lithology, porosity, and fluid saturation.
- Utilized petrophysical analysis techniques to assess reservoir quality and connectivity within the Balkasar Oil Field.
- Conducted fluid evaluation to estimate hydrocarbon reserves and assess production potential.

STRENGTHS AND EXPERTISE

Team Leadership
Communication Operations
Management

Punctual Negotiation
Skills
Client Relationship Management

Problem-Solving
Adaptability
Attention to Detail

SOFTWARE EXPERTISE

MS Office
Petrel

ArcGIS
Gverse

PetroMod
Canva Pro

References are available on request.