Muhammad Nauman Ejaz

CONTACT

📞 +92 324 8540592   ✉ Naumanejaz1996@gmail.com   🏠 Rawalpindi, Pakistan

I am a highly efficient and capable professional with a purposeful approach to task management. With strong confidence in project assistance and exceptional time management, I thrive in challenging environments. Seeking opportunities to contribute to a high-quality organization's success and reputation.

PROFESSIONAL EXPERIENCE

Data Researcher/Data Analyst
Metals & Mining Department
S&P Global Islamabad, Pakistan

June 2022 – June 2024

S&P Global

- To extract, scrutinize and standardize the essential data relevant to the industry of Mining, which is then provided to our clients in the form of a formulated product.

- To provide input and ideas for new collection methods and product improvements related to the covered content sets.

- To review feedback involving their content to help correct errors and establish or refine procedures and processes to improve accuracy.

- Staying up to date on industry trends and reporting standards.

- To troubleshoot problems or issues and provide meaningful feedback to co-workers.

Internship
Exploration Department
Oil and Gas Development Company Ltd (OGDCL), Islamabad, Pakistan

October 2019 – November 2019

- Learning Seismic acquisition and processing parameters that impact the accuracy of interpretation results.

- 2D and 3D seismic interpretation, Horizon Marking and Fault marking/identification on SMT Kingdom and Petrel software packages. These software packages provide a

range of tools for data visualization, interpretation, and modeling. They allow the interpreter to visualize seismic data in 2D and 3D, identify and mark horizons and faults, and create geological models.

- Generation of synthetic seismogram, Constructing Time and Depth contour maps and Fault seal analysis to get an idea of the upthrow and downthrow of fault.

Internship   August 2017 – September 2017
Seismic Monitoring Centre
Pakistan Meteorological Department (PMD), Islamabad, Pakistan

- Interpretation of earthquake seismic data of Muzaffarabad region (Pakistan) from 2009 - 2011.
- Picking P & S waves arrival time, calculating S - P wave time difference, Filtering data to remove unnecessary noises, using Scream 4.5 software.
- Calculations for better approximation of the epicenter and analyzing the impact of magnitude based on depth.
- Comparing results to the online data available from USGS website.

EDUCATION

Master of Science in Geophysics (2 Years)   February 2020 – March 2022
Gold Medalist and Graduated with Distinction
(Magna Cum Laude)
Bahria University, Islamabad

Dissertation: *Litho-fluid identification & quantification of reservoir using Gassmann fluid substitution and convolutional neural network of Balkassar Area, Upper Indus Basin, Pakistan.*

Majors:

- Exploration Geophysics
- 3-D Seismic Techniques

- Advance Seismic Techniques
- Basin Analysis

- Petrophysical Analysis
- Advance Sequence Stratigraphy

- Advance Research Methodology
- Advance Petroleum Geology

Bachelor of Science in Geophysics (4 Years)   February 2015 – March 2019
Bahria University, Islamabad

Dissertation: *2-D Seismic Interpretation, Petrophysical and Fault Seal Analysis of Missa Keswal Area, Upper Indus Basin,Pakistan.*

Majors:

- Earthquake Seismology
- GIS and Computer image processing
- Gravity and Magnetic Exploration Technique
- Seismic Stratigraphy
- Petroleum Engineering

- Seismic Exploration Techniques
- Geophysical Data Processing
- Electrical and Radioactive Exploration Technique
- Petroleum Geology
- Hydrogeology

Higher Secondary School Certificate (HSSC - 2 Years)   August 2012 – August 2014
Fazaia Intermediate College, Chaklala.
Subjects: Pre-Engineering (Mathematics, Physics and Chemistry).

Secondary School Certificate (SSC - 10 Years)   June 2010 – June 2012
F.G Quaid-E-Azam Public School Chaklala, Rawalpindi.
Subjects: Mathematics, Physics, Chemistry and Computer Science.

KEY SKILLS AND COMPETENCIES

- Complex problem solving
- Teamwork and Leadership experience
- Organizational knowledge
- Initiative-taking, adaptive learner, and strong believer in excellence.
- Computer proficiency.

- Excellent communication skills
- Collaboration talent
- Meticulous
- Ability to troubleshoot independently.
- Smart work

PROJETCS

- Litho-fluid identification & quantification of reservoir using Gassmann fluid substitution and convolutional neural network of Balkassar Area, Upper Indus Basin, Pakistan (MS Dissertation).

- 2-D Seismic Interpretation, Petrophysical and Fault Seal Analysis of Missa Keswal Area, Upper Indus Basin,Pakistan (BS Dissertation).

- Field report on Salt Range Area, focus on the Eastern and Western Salt range area.

- Field report on D-12 Sector of Islamabad.

- Field report on Abbottabad, Balakot and Nathia gali region.

CERTIFICATES & COURSES

- Duolingo English language test. Overall score 135, Production 125 & Conversation 135. (2023)
- Formal training of DSG 10.4 (Decision Space) software from Halliburton, Pakistan (2022).
- Attended lecture on "The value of machine learning in geoscientific prediction" organized by Bahria University Islamabad Pakistan (2022).
- All Pakistan Geo-Scientist Association (APGA) certificate of recognition for organizing in 4th Annual Technical Workshop (ATW-2018), under the theme of Hydrocarbon Exploration Techniques.
- Citizenship Award for attending Inaugural Ceremony of Pakistan Geo-scientists Council (2017).
- Volunteerism Certificate for conference on Social Cohesion and Integration of Non-Muslim Citizens of Pakistan (2017).
- Certificate for completion of community Support Program, Bahria University Islamabad (2017).
- Certificate of Participation in Bahria Auto-Mania (2017).
- Competency based certificate in C-sharp computer language from Nicon Group of Colleges (2015).

TECHNICAL SKILLS

During my bachelor's and Master's, I was truly fortunate to work and gain experience of the following software's.

• Kingdom Suite 2017	• Geographix 2019
• Hampson Russell 10.6	• Decision Space (DSG)
• Techlog 2015	• Petrel 2017
• Rokdoc	• Surfer
• Global Mapper	• Scream 4.5
• Arc GIS 10.6	• OpenTect
• Petro Mod	• IBM SPSS

Excellent experience of Microsoft Office products such as Excel, Power Point, and Word.
- Create excel pivot tables to compile key data and reports.
- Application of excel formulas such as Financial and logical functions, VLOOKUP, IF

STATEMENT, SUM Function, CONCATENATE Function, STATISTICAL and MATHEMATICAL Functions.

- Creating various charts and graphs for visual representations of data sets.
- Implementation of Sort and filter functions and creating linkage of excel spreadsheet with other Microsoft office products.

Excellent computer skills, proficient with windows operating system (GUI). Ability to identify and solve problems independently. Moreover, capable of installing complex computer software and troubleshooting them.

Knowledge of computer networking, LAN, and WAN networking. Specific knowledge of Android smart phone rooting and operating system customization

PUBLICATIONS

Amjad, M. R., Ehsan, M., Hussain, M., Al-Ansari, N., Rehman, A., Naseer, Z., **Ejaz, M. N.**, Baouche, R., and Elbeltagi, A., 2023, Carbonate Reservoir Quality Variations in Basins with a Variable Sediment Influx: A Case Study from the Balkassar Oil Field, Potwar, Pakistan: ACS Omega, v. 8, no. 4, p. 4127-4145. DOI: 10.1021/acsomega.2c06773 **(I.F 4.132)**

LANGUAGES

Urdu (Native)   Punjabi (Advance)

English (Advance)

HOBBIES & INTERESTS

Volunteering and community involvement   Exploring New Gadgets and Technology.

Outdoor activities (Football)   Traveling

Web Surfing & Photography   Social Media

PERSONAL INFORMATION

Father Name: Muhammad Ejaz

Nationality: Pakistan

Age: 26 Years

Marital status: Single

Date of birth: 19 January 1997

REFEREES

1. **Dr. Muhammad Fahad Mahmood**
   Assistant Professor - Bahria University, Islamabad
   Contact: +92 334 5184726
   Email: fahad.mahmood@bui.edu.pk

2. **Dr. Muhammad Raiees Amjad**
   Assistant Professor - Bahria University, Islamabad
   Contact: +92 345 5903327
   Email: raiees@bui.edu.pk

3. **Dr. Muhsan Ehsan**
   Associate Professor - Bahria University, Islamabad
   Contact: +92 333 8734899
   Email: muhsan.buic@bahria.edu.pk