Engagement of Data Scientist & Data Analyst on Contract Basis

1. **Designation: Data Scientist**

Max Age Limit: Not more than 45 Years as on the last date of receipt of application.

Minimum Qualification: Master's degree in Geology or Geophysics or BE/B. Tech in Computer Science or Engineering in relevant field or Post graduate degree in Data Science

Role: Data Scientist will design data modeling processes to create algorithms and predictive models and perform custom analysis for the E&P data available in the National Data Repository

Scope of Work

- Collection of more than 100 Tera Bytes of Seismic Data, Well Data and other Geological Data Obtained from different Sedimentary Basins of India to work upon
- Opportunity to utilize your skills in developing new processes/systems to transform Unstructured Seismic Data, Well Data & other Geological Data to meaningful Data for decision making
- Direct contribution in improving the usefulness of NDR data by enhancing the Flow of data, Creation of new data modeling process to create algorithms and predictive models.

Relevant Experience (Yrs): 5+ years of experience as data Scientist in machine Learning, artificial Intelligence, or relevant role in E&P industry

Skill sets:
- **Statistical analysis:** Identify patterns in data.
- **Machine learning:** Implement algorithms and statistical models to enable a computer to automatically learn from data.
- **Computer science:** Apply the principles of artificial intelligence, database systems, Human/computer interaction, numerical analysis, and software engineering.
- **Programming:** Write computer programs and analyze large datasets to uncover answers to complex problems. Comfortable writing code working in a variety of languages such as Java, R, Python, and SQL.
- Strong knowledge of and experience with reporting packages (Business Objects etc.), databases (SQL etc.), programming (XML or JavaScript, or Python)
- Knowledge of statistics and experience using statistical packages for analyzing datasets (Excel, SPSS, SAS etc.)

2. **Designation: Data Analyst**

Max Age Limit: Not more than 45 Years as on the last date of receipt of application.

Minimum Qualification: Master's degree in Geology or Geophysics or BE/B. Tech in Computer Science or Engineering in relevant field or Post graduate degree in Data Science

Role: Data Analyst will develop analysis and reporting capabilities in Geophysics and Geology focused domain and monitoring performance & quality control plans to identify improvements. Data Analyst will transform data into information, information into insight and insight into business decisions by identifying, analyzing, and interpreting trends or patterns in complex data sets. Data Analyst should perform testing and validation of data sets, Filter and "clean" data by reviewing computer reports, printouts, and performance indicators to locate and correct code problems

Scope of Work

- Collection of several Tera Bytes of G&G data from the India Sedimentary Basins to exhibit your Analytical skills
- Opportunity to work with the management to prioritize business and information needs, and to define new process improvement opportunities.
- Opportunity to Develop and implement new databases, data collection systems, data Analytics and other strategies that optimize statistical efficiency and quality of the NDR data

Relevant Experience (Yrs): 5+ years of prior experience of managing seismic data and Well data Including Logs and testing Data with in-depth expertise in AI/ML based programming and Statistical analysis to evaluate the G&G data for Analytical model.

Skill sets:
- The domain understanding of various G&G data like seismic including metadata information like Data Acquisition and Processing history, Binary and EBCIDIC Header etc. and Well data including Various logs and Testing Data and E&P business process are mandatory requirement for this job role
- Strong analytical skills with the ability to collect, organize, analyze, and disseminate significant amounts of information with attention to detail and accuracy
- Acquire data from primary or secondary data sources and maintain databases/data systems Technical expertise regarding data models, database design development, data mining and segmentation techniques.
- Strong knowledge of and experience with reporting packages (Business Objects etc.), databases (SQL etc.), programming (XML or JavaScript, or Python)
- Knowledge of statistics and experience using statistical packages for analyzing datasets (Excel, SPSS, SAS etc.)
- Previous experience of working with Unstructured Data (Reports, Document, Papers etc.) Adept at report writing and presenting findings, Digitalization of Unstructured Data through automated Analytics based workflows

Interested candidates meeting the eligibility & experience criteria are required to send their applications in the format (attached) directly to Senior Manager(HR), DGH together with all supporting self-attested documents of relevant qualifications and experience latest by 10.06.2022 through e-mail at dghrecruitment@dghindia.gov.in.

Only shortlisted candidates will be intimated and invited for personal interaction which will be held through video-conference, date and time of which will be informed in advance.

Head (HR & Admin), DGH
e-mail: dghrecruitment@dghindia.gov.in

APPLICATION FORM

(PHOTO)

1. NAME	
2. PRESENT ADDRESS	
3. CONTACT DETAILS (Mobile, Landline, E- Mail)	
4. DATE OF BIRTH (AGE as on 10.06.2022)	
5. MARITAL STATUS & GENDER	

6. PROFESSIONAL QUALIFICATIONS

No.	Qualification	College/ Institute	University	Year of Passing	Percentage/ Grade
a					

(Rows may be added)

7. PROFESSIONAL EXPERIENCE (starting from the latest):

No.	Position Held	Pay Scale	Organization	From (dd/mm/yyyy) to (dd/mm/yyyy)	Key Responsibilities
1					

(Rows may be added)

8. ENUMERATE MAJOR ACHIEVEMENTS:

9.REFERENCES (Please provide two references):

No.	Name	Address	Email	Mobile/Landline
1				
2				

It is certified that particulars furnished above are correct and no disciplinary case is either pending or contemplated against me and no penalty, major/minor, have been imposed.

DATE: SIGNATURE:

PLACE: NAME: