Sajan Zaverbhai Khatara

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OBJECTIVE

Seeking for a **Full-time** position as an engineer.

EDUCATION

Master of Science, Petroleum Engineering **Jan 2022 – May 2024**
Texas A&M University **GPA: 3.3/4**
Focused Studies: Rock mechanics related to hydraulic fracture, Petroleum/subsurface data analytics and machine learning, Unconventional oil and gas reservoirs, Well completion & workover.

Bachelor of Science, Petroleum Engineering **Aug 2017 – May 2021**
Pandit Deendayal Energy University (*Gujarat, India)* **GPA: 3.8/4**
Focused Studies: Drilling engineering, Surface production systems, Reservoir engineering, Production engineering, Well logging and formation evaluation, Energy and environmental studies.

PROJECT EXPERIENCE

Quantitative Analysis of Strain Decline Rate during Hydraulic Fracturing **Jan 2022 –Dec 2023**
- Utilized **LF-DAS** cross-well strain data analysis to optimize hydraulic fracture geometry and completion design for enhanced reservoir performance.
- Assessed parent-well depletion effects on infill wells during hydraulic fracturing, enhancing production efficiency and reservoir connectivity.

Optimized ML Models: Log-Based Facies Classification & Multi-Target Regression **Jan 2022 – May 2022**
- Developed and assessed classifiers using a well dataset, effectively deploying them to accurately classify a blind dataset.
- Trained and evaluated regressors to predict key well deliverables, including recovery efficiency, gas EUR, and PV (10) and PV (15), leveraging completions data from a provided dataset.

Analysis of Suggesting Optimization Measures **Sep 2020 – Mar 2021**
- Examined real-time well data to identify optimization measures for sucker rod pump wells, leading to increased efficiency and improved production.
- Employed **PROSPER** software for well modeling, analyzing IPR and VLP curves, and collaborated with drilling and production teams.

PROFESSIONAL INTERNSHIPS

Data Analyst (**Nabors Industries)** **Dec 2023 – Present**
- Completed drilling scorecard automation for monthly, quarterly, and year-to-date using **Power BI**.
- Conducted mud pump failure analysis to identify maximum pressure volume before mud pump failure.

Production Engineer (**Oil and Natural Gas Corporation**- *Gujarat, India)* **May 2020 – Jul 2020**
- Optimized Sucker Rod Pump well production with **QRod** software for improved performance.
- Conducted well surveillance and reviewed production data to identify trends and potential areas for improvement.

Well Stimulation Engineer (**Oil and Natural Gas Corporation**- *Gujarat, India)* **Dec 2019 – Jan 2020**
- Assisted in the design and execution of well stimulation treatments, including hydraulic fracturing, and acidizing.
- Participated in pre-job planning activities, including job design, fluid selection, and equipment selection, to ensure successful well stimulation operations.
- Collaborated with multidisciplinary teams to optimize well stimulation strategies and maximize production while minimizing costs.

HONORS & AWARDS

- Secured **3rd place** in Texas A&M University's **Student Paper Contest** (Master's Division-II). **Jan 2023**
- **Graduate Student Fellowship** issued by Texas A&M University **Jan 2022 – Dec 2022**
- **President's Fellowship** issued by Pandit Deendayal Energy University **Aug 2017 – Jun 2021**

SKILLS & ACTIVITIES

- **Application Software**: Power BI, Qrod, PROSPER, ParaView, Jupyter Notebook
- **Programming Languages**: Python, MATLAB
- **Tools and Libraries**: OpenCV, NumPy, Pandas, SciPy, Matplotlib, Plotly, Seaborn