Raushan Kumar

Adm. No. 22JE0787 6205136033
22je0787@iitism.ac.in linkedin.com/Raushan github.com/Raushan

Education

Indian Institute of Technology (Indian School of Mines) Dhanbad — Expected May 2026
Bachelor of Technology in Petroleum Engineering (GPA: 8.60 / 10.00) — *Dhanbad, Jharkhand*

Sri Lakshmi Kishori College — 2020-2022
Senior Secondary Education (12th) - 87.2% — *Sitamarhi, Bihar*

M.T. Vidyapeeth, Mushari — 2019-2020
Secondary Education (10th) - 94.8% — *Muzaffarpur, Bihar*

Experience

Oil and Natural Gas Corporation — May 2024 – June 2024
Summer Trainee at Surface Team — *Karaikal, Puducherry*

- Acquired in-depth knowledge of petrophysical properties from industry experts.
- Learned about the interpretation of well logs for assessing rock and fluid properties.
- Visited a group gathering station to observe and gain practical experience with processes.

Sun Petrochemical Pvt. Ltd. (Sunpetro) — December 2024
Winter Internship at Reservoir Team — *Powai, Mumbai*

- Performed decline curve analysis on real-well data to forecast production trends.
- Conducted pressure buildup test analysis, to assess reservoir performance using real-well data.
- Performed material balance analysis to determine initial oil in place and assess the reservoir's drive mechanism

Projects

Well Log Visualization And Basic Calculation | *Python, Numpy, Pandas, Matplotlib,Welly and Lasio* GitHub

- Used Python libraries (NumPy, Pandas, Matplotlib, Welly, and Lasio) to process and visualize well log data, including density, gamma ray, and sonic logs, and calculate porosity and shale volume for better reservoir analysis.

Inflow Performance Relationship Visualization | *Python, Numpy, Pandas, Matplotlib* GitHub

- Developed historical and forecasted Inflow Performance Relationship (IPR) curves for saturated oil reservoir to optimize well performance prediction using the Fetkovich equation.
- Generated and visualized both current and forecasted Inflow Performance Relationship (IPR) curves for a gas well, utilizing the Pressure-Square Quadratic and Pressure Quadratic forms.

Skills

Languages & Tools :Prosper, Python (including libraries like Numpy, Pandas, Matplotlib), Excel, Google sheet, Powerpoint.
Interpersonal skills: Critical thinking, Team work, Problem solving.

Achievements

- Gate 2025 AIR-137
- 2nd in Auction Adrenaline, FIPI Oilympics.
- Completed IWCF Level 1 Certificate - Well control basics.

Social Engagements

FIPI-Treasurer
Club- Member of Fotofreak The Official Photography club of IIT(ISM) Dhanbad
Organizer-Srijan'24 (Cultural-Fest), Concetto'24 (Technology- Fest)