



# GAURAV BHATIA

EPE19-022  
B.Tech - Final Year Petroleum Engineering  
Rajiv Gandhi Institute of Petroleum  
Technology Jais, Amethi - 229304

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## EDUCATIONAL BACKGROUND

Degree/Exam	University/Institute	CPI/CGPA/%	YYYY
B.Tech (Petroleum Engineering)	Rajiv Gandhi Institute of Petroleum Technology, Jais	8.62 (Till 6 <sup>th</sup> Sem)	2019-2023
Intermediate/+2 (CBSE Board)	Anand Vidya Mandir School, Bharatpur	91.20 %	2019
Matriculation (CBSE Board)	St. Peter's School, Bharatpur	9.6	2017

## INTERNSHIPS

<b>1. Name of Organization:</b> Oil and Natural Gas Corporation Limited (ONGC)   Ahmedabad Asset <b>Project Title:</b> Overview of Surface Team Operations <ul style="list-style-type: none"><li>Visited and studied different processing equipment in surface facilities.</li><li>Trouble shooting and managing processing systems such as GGS, GCS and CTF.</li></ul>	Period: 17 <sup>th</sup> May - 20 <sup>th</sup> June'22
<b>2. Name of Organization:</b> Caliche Global, India <b>Project Title:</b> Deep Learning for Salt Segmentation <ul style="list-style-type: none"><li>Trained Cascade PSP Model on 22,000 images of Salt Segmentation to predict Ground – Truth and Image Mask.</li><li>Created a custom data loader, dataset class using Python programming, achieved an accuracy score of 79%.</li></ul>	Period: 8 <sup>th</sup> June - 12 <sup>th</sup> Aug'21

## RESEARCH PROJECTS

<b>1. Synthesis and Characterization of SDS Polymeric Surfactant for EOR applications.</b> <ul style="list-style-type: none"><li>Synthesized an anionic polymeric surfactant for SP flooding, to reduce IFT with advantageous viscosity control.</li><li>Analyzed the product by measuring Surface Tension, Contact Angle, and Core Flooding Experiments.</li></ul>	July – Sept '22
<b>2. Field Development Project – Schlumberger.</b> <ul style="list-style-type: none"><li>Proposed a static model for oil exploration and maximum recovery using the Petrel Software.</li><li>Softwares - Avocet, mapped Petrel and Pipesim were launched with the objective to increase the NPV.</li></ul>	February'22
<b>3. Permeability estimation from Petrophysical Data using Machine Learning.</b> <ul style="list-style-type: none"><li>Analyzed well log data of Volve field in the Norwegian North Sea, for permeability relations.</li><li>Developed a machine-learning solution with estimation of lithology and water saturation at different depths.</li></ul>	December'21

## SKILLS & INTEREST

- Programming Skills:** Machine Learning, Computer Vision, Python, Data Analytics, C++, SQL
- Softwares:** Petrel, Ecrin, LogView++, Auto-Cad, Adobe Photoshop, Microsoft Office
- Interpersonal Skills:** Leadership, Problem solving, Strong communication Skills

## AWARDS & ACHIEVEMENTS

1. Student Delegate from India at <b>International Petroleum Technology Conference, 2022</b> (Riyadh, KSA)	February'22
2. Recipient of <b>SEG Foundation/Chevron Scholarship 2022-23</b> , of \$1000 for academic excellence	June'22
3. Player of Team RG IPT, Only Indian Team qualified for <b>SPE Petrobowl Championship Finals at ATCE'22</b> (Houston, USA)	July'22
4. First Runner Up - Schlumberger Field Development Challenge at IPTC, 2022	February'22
5. Qualified JEE Advanced 2019 being among top 1 percentile JEE Aspirants.	July'19

## EXTRACURRICULAR ACTIVITIES

1. Geological field trip to Dahil Heet Cave, Riyadh KSA under the guidance of Dr. A.M. Ali, Geologist at Saudi Aramco.	February'22
2. Geophysical Exploration Field Trip to Bundelkhand, India under guidance of Dr. Satish K Sinha.	December'21
3. President at EAGE RG IPT Student Chapter   focused to conduct regular webinars, events by industry experts.	May'22
4. Head: Code Club, at S&T Council, RG IPT   Maintaining development community by conducting regular hackathons	October'21
5. Teaching Assistant at RG IPT for conducting weekly tutorials of Inorganic & Physical Chemistry for Freshman Year.	Nov'21-Apr'22
6. Teacher at Gyan-Arpan, an initiative by Social Club Arpan, to teach underprivileged students of nearby villages.	Oct'19-Mar'21