



# PRANAV KUMAR

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B.Tech-Final Year Petroleum Engineering  
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## EDUCATIONAL BACKGROUND

Degree/Exam	University/Institute	CPI/CGPA/%	YYYY
B.Tech (Petroleum Engineering)	Rajiv Gandhi Institute of Petroleum Technology, Jais	8.39 (till 5 <sup>th</sup> sem)	2018-2022
Intermediate/+2 (CBSE Board)	St. Mary's Convent Sr. Sec. School, Panipat	93.80%	2018
Matriculation (CBSE Board)	St. Mary's Convent Sr. Sec. School, Panipat	10	2016

## INTERNSHIPS

- Name of Organization:** Oil and Natural Gas Corporation Limited (ONGC) | Ahmedabad Asset  
**Project Title:** An overview of surface facilities.  
*Period: 25th Aug-23th Sept'21*
  - Studied different processing equipment in surface facilities.
  - Trouble shooting and managing processing systems such as GGS, GCS and CTF.
- Name of Organization:** Oil and Natural Gas Corporation Limited (ONGC) | Institute of Reservoir Studies (IRS)  
**Project Title:** Prospect identification and development of marginal fields.  
*Period: 24th May-25th June'21*
  - Analyzed technical and economic aspects of a marginal field development.
  - Performed and validated different tasks of field development on MS-Excel.

## RESEARCH PROJECTS & PUBLICATIONS

- Effect of high temperature ageing on TiO<sub>2</sub> nanoparticles enhanced drilling fluids: A rheological and filtration study, Upstream Oil and Gas Technology, Elsevier, 2020, <https://doi.org/10.1016/j.upstre.2020.100019>  
*Authors: Mukarram Beg, Pranav Kumar, Pratham Choudhary, Dr. Shivanjali Sharma*  
August 2020
- A modelling hydrate-based approach of geological storage of CO<sub>2</sub> to lower carbon footprint.**
  - Performed the thermodynamic modelling to predict phase stability of CO<sub>2</sub> hydrates.
  - Validated the results with experimental data using AARD statistical measure.Sept. 2021
- Petrophysical analysis with Machine Learning for Formation Evaluation**
  - Integrated the well log and core data of Volve field in the Norwegian North Sea.
  - Developed a machine-learning-based solution that integrates well log data with core petrophysical properties.May 2020

## SKILLS

- Programming Skills:** Machine Learning, Python
- Software:** MATLAB, MRST, AutoCAD, Microsoft-Office
- Interpersonal Skills:** Leadership, Problem solving, Strong communication Skills

## AWARDS & ACHIEVEMENTS

- AIR 65 in GATE 2021** in Petroleum Engineering with **77.33/100 marks.** March'21
- Recipient of **SEG/Chevron Scholarship** of \$3000 by SEG Foundation for academic year 2021-2022. May'21
- Selected as the Mentee in **5<sup>th</sup> cycle of Mentoring Programme** by **World Petroleum Council**, London. April' 21
- Recipient of **L. Austin Weeks Undergraduate Grant** of \$500 by AAPG foundation. June' 20
- First Prize in Poster Presentation entitled "**Unmanned Aerial Vehicle**" at Winter School 2019. January'19

## EXTRACURRICULAR ACTIVITIES

- Represented my college in badminton at Udghosh'19, annual sports fest of IIT Kanpur. October 2019
- Geological field trip to Dehradun-Mussoorie sector under the guidance of Dr. A.K. Azmi. Dec. 2019
- Volunteer at Arpan, an initiative by social club Arpan to help underprivileged people of the society. Sept. 2018