

# SHARDUL TRIPATHI

UNDERGRADUATE B. TECH IN PETROLEUM  
ENGINEERING

Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais,  
Amethi UP- 229304

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Date of Birth- 28th July 2001 | Age- 21



**OBJECTIVE-** I aim to help and improve the oil and gas industry with my knowledge of petroleum engineering for the betterment of the future of this sector in our country.

## EDUCATIONAL BACKGROUND

Degree/Exam	University/Institute	CPI/CGPA/%	Year
B.Tech (Petroleum Engineering)	Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi	9.27* (*till 6 <sup>th</sup> Semester)	2019-23
Intermediate/ +2 (CBSE Board)	Father Agnel School, Noida	95.8%	2018
Matriculation (CBSE Board)	Father Agnel School, Noida	10.0	2016

## INTERSHIPS

### 1. Winter Research Internship at Indian Institute of Technology, Madras

Title- "Particle Migration of Drilling fluid through Porous Media"

(Dec 2021- Jan 2022)

Guided By- Dr. Ramesh Kannan, Geotechnical Engineering, Dept. of Civil Engineering, IIT Madras

This was a research-based internship for a duration of one month. Based on the understanding of the particle migration phenomenon through porous media using Water-based drilling fluids of various concentrations.

### 2. Summer Training at Institute of Reservoir Studies (IRS), ONGC, Ahmedabad

Title- "Reservoir Performance Analysis and Field Development Planning"

Guided By- Mr. Naveen Aggarwal, Manager (Reservoir), IRS, ONGC

(May 2022- June 2022)

This summer training was mainly focused on analysing various aspects of the reservoir performance and improving the future behaviour and recovery of the reservoir by the analysis of various tools.

## PROJECTS

### 1. Application of Ferromagnetic nanoparticles in Water-Based Drilling fluid

Guided By- Dr. Shivanjali Sharma, Assistant Professor, Department of Petroleum Engineering and Geoengineering, RGIPT

(Oct 2021- Dec 2021)

The project is based on the selection, preparation and application of nanoparticle for enhancing different properties of water-based drilling fluid including the rheological and filtration properties.

### 2. Investigation of Adsorption of Anionic Surfactants in EOR applications in presence of Graphene Nanoparticle

Guided by- Dr. Shivanjali Sharma, Assistant Professor, Department of Petroleum Engineering and Geoengineering, RGIPT

(March 2022- Present)

The objective of the project is to study the adsorption phenomenon of the surfactants on the rock surfaces in the reservoirs during chemical flooding EOR process and to economize the whole process by reducing the loss of the surfactants used during chemical flooding due to adsorption on the rock surfaces.

## HONOURS AND ACHIEVEMENTS

1. Recipient of the prestigious **AAPG L. Austin Undergraduate Grant** for the year 2022.
2. Holds an overall rank of **2nd** in the whole batch of B.Tech Petroleum Engineering 2019-23.
3. Recipient of the **RGIPT Meritorious Scholarship**, 2019-20 awards the top 10%.
4. Secured a rank of 13077 in **IIT-JEE Advanced 2019**
5. Awarded for the highest marks in physics in whole batch in **AISCCE 2018**
6. Participated in **Inter Chapter Research Exchange (ICRE)** organised by **SPE IIT(ISM) Student Chapter** in collaboration with **SPE Texas A&M Student Chapter**.
7. Served as the student custodian of the **Indian Hydrocarbon Appraisal Programme (IHAP)** for the **Karewa Basin**.

## SKILLS

- Microsoft Office- Word, PowerPoint, Excel, Access. C, C++ Programming Language. Introductory AutoCad, CMG (Builder), LogView++, KAPPA Ecrin 5.3.

## POSITIONS OF RESPONSIBILITY

1. Tutor of second year students for the course **Linear and Complex Algebra** (Aug 2022- Present)
2. Tutor of first year students for the course **Real Analysis and Calculus** (Dec 2021-Feb 2022)
3. Editorial Head | **IEEE RGIPT Student Branch, RGIPT, Jais** (Jan 2022-Present)
4. Editorial Head | **CodeChef RGIPT Student Chapter, RGIPT, Jais** (Oct 2021-Present)
5. Officer, Editorial and PR Team Head | **SPE RGIPT Student Chapter, RGIPT, Jais** (Aug 2021- June 2022)
6. Teaching Volunteer | **GyanArpan**, a social initiative under Project Amethi programme (Jan 2020- Apr 2021)
7. Editorial Coordinator | **SPE RGIPT Student Chapter, RGIPT, Jais** (Sept 2020- Jun 2021)
8. Volunteer, Table Tennis | **Energia 2019**, Annual Sports Fest of RGIPT (Feb 2020)
9. Deputy Minister, Academic Ministry | **Father Agnel School, Noida, UP** (April 2016- April 2017)

## CONFERENCES AND WEBINARS

1. Attended the virtual **IPTC 2021 (International Petroleum Technology Conference, 2021)** held in Malaysia from 23rd March-1st April 2021.
2. Attended a one-day virtual webinar on the topic "**HVAC in Oil and Gas**" organized by **Petroleum Engineers Association** on 1st June 2021.

## CO-CURRICULAR ACTIVITIES

- Dramatics, Singing
- Cricket, Volleyball, Table Tennis